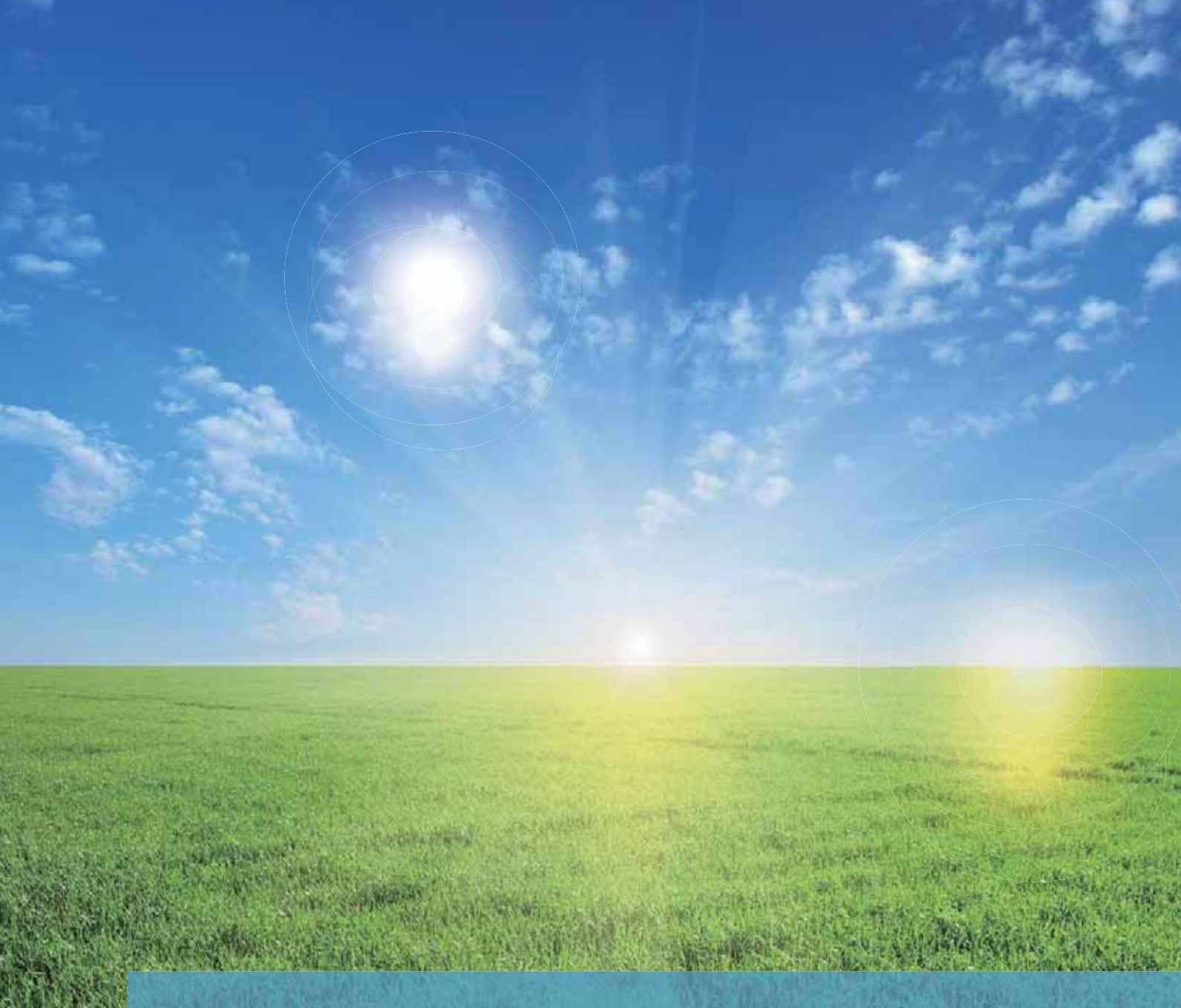




CATALOGUE 2015-2016

OPTOELECTRONIC COMPONENTS

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CONTENTS

Alphanumeric Index	04
Conditions of RoHS	15
Application Notice	16
Technical Data	17

Visible LED

High Power LED			38	
Low Middle Power LED			59	
Flash LED	High Power Flash LED	Module Type	67	
		2016 Package Dual Type	68	
		2016 Package	69	
		2016 Package HCRI Type	70	
SMD LED	Subminiature LED Lamps (Leadframe)		72	
	Surface Mount Chip LED (PCB)	Top View LED	74	
		Top View 0402 (0.2T~0.5T)	75	
		Top View 0603 (0.2T~0.8T)	76	
		Top View 0805	81	
		Top View 1206	83	
		Top View Bi-Color	85	
		Top View Full Color	89	
		Side View (0.2T~1.0T)	91	
		Side View Bi-Color	94	
		Side View Full Color	95	
		Reverse Mount	96	
		Reverse Mount Bi-color	98	
		Reverse Mount Full color	98	
		Surface Mount PLCC LEDs (Reflector)	Top View LED	99
			Top View Bi-Color	101
			Top View PLCC2	102
			Top View PLCC3	108
			Top View PLCC4	109
		Side View LED	110	
LED Lamps	2mm Tower Type		113	
	3mm Round Type		113	
	5mm Round Type		118	
	8mm Round Type		123	
	10mm Round Type		123	
	3mm Cylindrical		124	
	5mm Cylindrical		124	
	5mm Square		124	
	Rectangular		125	
	3mm Assembly LED		128	
	5mm Assembly LED		131	
	LED Digital Displays	Chip On Board Display	Single Digit Display	133
			Dual Digit Display	135
Three Digit Display			138	
Four Digit Display			139	
SMD Display		Single Digit Display	141	
		Dual Digit Display	143	
		Three Digit Display	145	
		Four Digit Display	147	
Dot Matrix Display			148	
Light Bar Display		149		
Signage LED	Surface Mount Chip LED (PCB)		150	
	Surface Mount PLCC LED (Reflector)		151	
	Lamp Type LED	3mm Oval Type	153	
		5mm Oval Type	154	
		5mm Round Type	155	
Automotive LED	Exterior Application	High Power LED	156	
		Mid Power LED	158	
		Low Power LED	158	
	Interior Application	Mid Power LED	160	
		Hyper Mini Top View LED	161	
		Mini Top LED	162	
		Top View	162	

Infrared LED and Silicon Detector	Emitter	Lamp 3mm	166	
		Lamp 5mm	167	
		Piranha	171	
		Side Look	172	
		SMD	173	
	Photo Diode	High Power	180	
		DIP	181	
		Side Look	183	
		SMD	184	
		Photo Transistor	DIP	187
Infrared Receiver Module	Short Burst	Side Look	189	
		SMD	191	
		DIP-Vo – GND – Vcc	195	
		DIP-Vo – Vcc – GND	195	
		SMD	195	
	Standard Burst	DIP-Vo – GND – Vcc	197	
		DIP-Vo – Vcc – GND	202	
		SMD	203	
		Width Band	DIP-Vo – GND – Vcc	207
		3D		207
Optic-Fiber Device (Photo Link)	Receiver (PLR) Component		208	
	Receiver (PLR) Module		211	
	Transmitter (PLT) Component		212	
	Transmitter (PLT) Module		215	
Optical Sensors	Ambient Light Sensor	Analog	217	
		Digital	222	
	Proximity Sensor	Digital	223	
	RGB Color Sensor	Single Color Sensor (Analog)	224	
	Reflective Sensor		225	
	Transmissive Sensor		229	
Photo Coupler	Darlington Transistor	4Pin DIP-DC	235	
		4Pin SOP-DC	235	
		6Pin DIP-DC	236	
		8Pin DIP-DC	236	
		High Speed	5Pin SOP	237
		8Pin SOP	238	
		8Pin DIP	240	
		8Pin Wide Body DIP	241	
		Schmitt Trigger	6Pin DIP	242
		Transistor	4Pin DIP-AC	243
			4Pin DIP-DC	243
			4Pin High Isolation	244
			4Pin SOP-AC	244
			4Pin SOP-DC	245
			4Pin SSOP-AC	245
			4Pin SSOP-DC	246
	4Pin Long Creepage		246	
	5Pin Long Creepage	247		
	Low Input Current Transistor	5Pin Long Creepage	247	
		Transistor	6Pin DIP-DC	248
			6Pin DIP-AC	249
			8Pin DIP-DC	249
			8Pin SOP-DC	249
		8Pin SSOP-DC	250	
		8Pin SSOP-AC	250	
		16Pin DIP-DC	251	
	16Pin SSOP-AC	251		
	16Pin SSOP-DC	251		
	Triac	4Pin SOP	252	
		4Pin DIP	253	
		5Pin DIP	254	
		6Pin DIP	255	
Relay (Solid State Relay)	4Pin DIP	256		
	6Pin DIP	256		
	8Pin DIP	257		

ALPHANUMERIC INDEX

VISIBLE LED

1003SDRD/S530-A3	127	1259-7SDRSYGW/S530-A3	116	17-21/G6C-AN1P1B/3T	81
1003SUBD/S400-A6	127	1259-7SUSRYGW/S530-A3	116	17-21/G6C-AP1Q1B/3T	81
1003SUGD/S400-A4	127	1259-7UYOSYGW/S530-A3	116	17-21/G6C-FM1N2B/3T	81
1003SURD/S530-A3	127	1259-7UYSYGW/S530-A3	116	17-21/G6C-FN1P2B/3T	81
1003SYGD/S530-E2	127	1383-2SDRD/S530-A3	122	17-21/G6C-FP1Q1B/3T	81
1003UYD/S530-A3	127	1383-2SUGT/S400-A4	122	17-21/GHC-XS1T2M/3T	81
103SUBD/S400-A4	113	1383-2SURD/S530-A3	122	17-21/GHC-YR1S2/3T	81
103SURD/S530-A3	113	1383SYGD/S530-E2	122	17-21/GPC-AKOM1B/3T	81
103SYGD/S530-E2	113	1383UYD/S530-A3	122	17-21/GVC-AMPB/3T	81
103UYD/S530-A3	113	15-11/BHC-AN1P2/2T	83	17-21/R6C-AN2Q1B/3T	81
11-21/BHC-AP2R1/2T	83	15-11/BHC-ZL2N1QY/2T	83	17-21/R6C-AP1Q2L/3T	81
11-21/BHC-YR1S1/2T	83	15-11/W1D-APQHY/2T	83	17-21/R7C-AN2Q1B/3T	81
11-21/G6C-BQ1R2B/2T	83	15-11-BXC-XXXXXXXE-2T-AM	162	17-21/S2C-AN1P2B/3T	81
11-21/G6C-FN2P2B/2T	83	15-11-BXX-XXXXXXXE-2T-AM	162	17-21/S2C-AP1Q2B/3T	81
11-21/GHC-YT1U2/2T	83	15-13D/R6GHBHC-A01/2T	89	17-21/T1D-ANPHY/3T	81
11-21/R6C-AP1Q2LZ/2T	83	15-21/B6C-YR1S2B2/2T	84	17-21/T1D-CP2R1TY/3T	81
11-21/R6C-AR2S2B/2T	83	15-21/B6C-ZQ1R1N/2T	84	17-21/T1D-KN2P2HY/3T	81
11-21/Y2C-CP2Q2B/2T	83	15-21/BHC-AN1P2/2T	84	17-21/W1D-APQHY/3T	81
11-22/R6G6C-A01/2T	85	15-21/G6C-BK1L2VY/2T	84	17-21/Y2C-AN1P2/3T	81
11-22/R6G6C-QSANP/2T	85	15-21/G6C-FM1N2B/2T	84	17-21/Y2C-CN1P2B/3T	81
11-22/R6SGAC-A30/2T	85	15-21/G6C-FP1Q1L/2T	84	17-21/Y2C-CP2Q2B/3T	81
12-11/BHC-ZL1M2QY/2C	91	15-21/GHC-R2S2/2T	84	17-215/B6C-YP2R2/3T	82
12-21/BHC-AN1P2/2C	91	15-21/GHC-YR1S1/2T	84	17-215/BHC-AN1P2/3T	82
12-21/BHC-ZL1M2RY/2C	91	15-21/R6C-AN1P2/2T	84	17-215/BHC-BP2Q2M/3T	82
12-21/GHC-YR2S2/2C	91	15-21/R6C-FQ1R1B/2T	84	17-215/G6C-BM1N2L/3T	82
12-21/R8C-AN1P2B/2D	91	15-21/S2C-AL2M2VY/2T	84	17-215/G6C-FN2P2B/3T	82
12-21/T3D-AQ2S2M/2C	91	15-21/S2C-AQ2R2B/2T	84	17-215/R6C-AQ1R2B/3T	82
12-215/BHC-AN1P2/3C	92	15-21/S3C-AP1Q2/2T	84	17-215/S2C-AQ1R2B/3T	82
12-215/BHC-XL1M2HY/3C	92	15-21/T1D-CP1Q2TY/2T	84	17-215/S2C-CP2R1B/3T	82
12-215/G6C-AL2M2B/3C	92	15-21/T7D-JQ2S1PY/2T	84	17-215-G6C-F5M1N2B0E-3T-AM	163
12-215/G6C-BP1Q2L/3C	92	15-21/W1D-APQHY/2T	84	17-215-R6C-AQ2R2B0E-3T-AM	163
12-215/R6C-AR1S1B/3C	92	15-21/Y2C-AN1P2/2T	84	17-215-S3C-5UQ2R2B0E-3T-AM	163
12-215/T1D-ANPHY/3C	92	15-21/Y2C-CP1Q2B/2T	84	17-215-Y2C-P9Q2S1B0E-3T-AM	163
12-215/W1D-ANPHY/3C	92	15-215/G7C-BN1P2B/2T	84	17-223/BHR7C-C30/3C	94
12-215/Y2C-BR1S1L/3C	92	15-215/R6C-AM2P1VY/2T	84	18-035S/ BDGAR6S1-S01/10T	150
12-215/Y2C-CP1Q2B/3C	92	15-215/R6C-AP1Q1L/2T	84	18-038BT/ BDGAR6S1-S06/10T	150
12-215/Y2C-CQ1R1B/3C	92	15-21-G6C-A0N1P2B0E-2T-AM	162	18-039B/BDGAR6S1-S06/2T	150
12-21C/BHC-AN1P2/2C	91	15-21-R6C-BQ1R2B0E-2T-AM	162	18-225/B6R6C-C01/3T	86
12-21C/BHC-YL1M2HY/2C	91	15-21-Y2SC-A0S1T1B25E-2T-AM	162	18-225/R6G6C-A01/3T	86
12-21C/T3D-CP1Q2B12Y/2C	91	15-22/R6G6C-A32/2T	85	18-225/S2G6C-A01/3T	86
12-21C/W1D-AR1S2/2C	91	15-22/R6GHC-A01/2T	85	18-225A/R6GHW-B01/3T	86
12-22/BHR6C-A01/2C	94	1533SURD/S530-A3	127	19-113-BXC-XXXXXXXE-2T-AM	163
12-22/G6R8C-A30/2C	94	1533SYGD/S530-E2/O	127	19-113-BXX-XXXXXXXE-2T-AM	163
12-22/R6GHC-A30/2C	94	1533USOD/S530-A3	127	19-117/BHC-YJ2K2TX/3T	76
12-22/Y2G6C-A30/2C	94	1533UYD/S530-A3	127	19-117/BHC-ZL1M2RY/3T	76
12-23C/R6GHBHC-A01/2C	95	16-213/BHC-AN1P2/3T	75	19-117/T1D-AP2Q2QY/3T	76
12-23C/S2GHBHC-A01/2C	95	16-213/BHC-ZL1M2QY/3T	75	19-118/BHC-ZL1M2QY/3T	76
1224SDRC/S530-A3	115	16-213/GHC-YR1S1/3T	75	19-123/Y2ST1D-C30/2T	86
1224SUGC/S400-A5	115	16-213/R6C-A2225VZ/3T	75	19-137/R6GHBHC-A01/2T	89
1224SURC/S530-A3	115	16-213/T3D-AP1Q2QY/3T	75	19-21/B6C-AP2Q2M/3T	77
1224SYGC/S530-E2	115	16-213/T7D-AQ1R1QY/3T	75	19-21/BHC-AP1Q2/3T	77
1224USOC/S530-A3	115	16-216/T3D-AQ1R2TY/3T	75	19-21/BHC-YL1M1RY/3T	77
1224UTC/S400-A6	115	16-219A/T2D-AR2T1QY/3T	75	19-21/BHC-ZQ1R2N/3T	77
1224UYC/S530-A3	115	16-916/T1D-AP1Q2QY/3T	92	19-21/G6C-AL1M2LY/3T	77
1254-10SDRT/S530-A3	116	17-11/BHC-AN1P2/3T	81	19-21/G6C-FM1N2B/3T	77
1254-10SUGC/S400-A5	116	17-115-BXC-XXXXXXXE-2T-AM	163	19-21/G6C-FP1Q1L/3T	77
1254-10SURT/S530-A3	116	17-115-BXX-XXXXXXXE-2T-AM	163	19-21/GHC-YN1P2QY/3T	77
1254-10SYGT/S530-E2	116	17-21/BHC-AN1P2/3T	81	19-21/GPC-FL1M2B/3T	77
1254-10UYD/S530-A3	116	17-21/BHC-AP1Q2/3T	81	19-21/R6C-AL2N1VY/3T	77
1254-10UYOT/S530-A3	116	17-21/BHC-XLMJY/3T	81	19-21/R6C-FP1Q2L/3T	77

19-21/R7C-AK1L2BY/3T	77
19-21/R7C-AN2Q1B/3T	77
19-21/R8C-FN2Q1L/3T	77
19-21/S2C-AL2M2VY/3T	77
19-21/S2C-AQ1R2B/3T	77
19-21/T1D-ANPHY/3T	77
19-21/T1D-CPQTY/3T	77
19-21/W1D-ANPHY/3T	77
19-21/Y2C-AL1M2VY/3T	77
19-21/Y2C-CP1Q2B/3T	77

19-213/Y2C-CQ1R2/3T	79
19-213/B7C-AQ2S1B2/3T	79
19-213/BHC-AN1P2/3T	79
19-213/G6C-AP1Q2/3T	79
19-213/G6C-BM1N2B/3T	79
19-213/G6C-FN2Q1L/3T	79
19-213/G6W-FN1P1B/3T	79
19-213/GHC-XS1T1N/3T	79
19-213/GHC-YP1Q2QY/3T	79
19-213/GHC-YR1S2/3T	79

19-213/R6C-AM2P1VY/3T	79
19-213/R6C-AN1P2/3T	79
19-213/R6C-AN2Q1B/3T	79
19-213/R6C-AP1Q2B/3T	79
19-213/R6C-AQ1R2B/3T	79
19-213/R8C-FN1P2/3T	79
19-213/S2C-AN1P2B/3T	79
19-213/S3C-AN2P2B/3T	79
19-213/T1D-ANPHY/3T	79
19-213/Y2C-AP1Q2B/3T	79

19-213/Y2C-CN1P2/3T	79
19-213/Y2C-CP1Q2L/3T	79
19-213/Y2C-CQ2R2L/3T	79
19-213A/T1D-CP2Q2HY/3T	78
19-213-G6SC-M0P1Q1B0E-3T-AM	163
19-213-R6C-A0R2S2B0E-3T-AM	163
19-213-S3SC-B0S1T1B0E-3T-AM	163
19-213-Y2SC-9AS1T1B0E-3T-AM	163
19-217/B9C-ANQE/3T	78
19-217/BHC-AN1P2/3T	78

19-217/BHC-XK1L2B11X/3T	78
19-217/BHC-YL2M2TY/3T	78
19-217/G7C-AL1M2B/3T	78
19-217/GHC-YR1S2/3T	78
19-217/R6C-P1Q2/3T	78
19-217/S2C-AL1M2VY/3T	78
19-217/S3C-AL2N1VY/3T	78
19-217/T1D-ANPHY/3T	78
19-217/T1D-JP1Q2QY/3T	78
19-217/W1D-CPQTY/3T	78

19-217/Y5C-AM1N1VY/3T	78
19-217/Y5C-APQB/3T	78
19-217/Y5C-AQ2R2/3T	78
19-218/BHC-ZL1M2QY/3T	80
19-218/GHC-YR1S2M/3T	80
19-218/R6C-AL1M2VY/3T	80
19-218/R6C-FM2P1B7Y/3T	80
19-218/T1D-CQ2R2TY/3T	80
19-219/T3D-AQ2R2TY/3T	80
19-219/T7D-AV1W1E/3T	80

19-219/Y5C-AM1N2VY/3T	80
19-22/G6R6C-A31/2T	87
19-22/R6BHC-B01/2T	87
19-22/R6G6C-A01/2T	87
19-22/R6GHC-C02/2T	87
19-22/Y2G6C-A14/2T	87
19-223/G6S2C-A01/2T	88
19-223/R6BHC-A05/2T	88
19-223/R6G6C-A01/2T	88
19-223/R7BHC-A30/2T	88

19-223/R7G6C-A01/2T	88
19-223/S2BHC-A01/2T	88
19-223/S2T1D-C30/2T	88
19-223/Y2G6C-A01/2T	88
19-226/R6BHC-B01/2T	87
19-226/R6G7C-B02/2T	87
19-226/R6GHC-A03/2T	87
19-237/R6GHBHC-A04/2T	89
19-237A/BHR6GHC-A01/2T	90
19-237B/R6GHBHC-C01/2T	90

19-337/R6GHBHC-A01/2T	90
204-10SDRD/S530-A3	113
204-10SUBC/S400-A4	113
204-10SUGC/S400-A5	113
204-10SURD/S530-A3	113
204-10SYGD/S530-E3	113
204-10UYD/S530-A3	113
204-10UYOC/S530-A3	113
209SDRSYGW/S530-A3	114
209SURSYGW/S530-A3	114

209UYOSUGC/S530-A3	114
22-21/BHC-AN1P2/2C	93
22-21/GHC-YR1S2/2C	93
22-23/R6GHBHC-A01/2C	95
22-23C/R6GHBHW-C01/2C	95
23-21/G6C-AL2N1/2T	96
23-21/GHC-YR2T1/2A	96
23-21/R6C-AM1N2AY/2A	96
23-21/R8C-AN2Q1B/2T	96
23-215A/BHC-DN2P2E/5A	97

23-21B/BHC-AN1P2/2A	96
23-21B/BHC-ZL1M1Y/2A	96
23-21B/G6C-AM2P1/2A	96
23-21B/S2C-AN1P2/2A	96
23-21B/T1D-ANQHY/2A	96
23-21B/T1D-CP2Q2TY/2A	96
23-21B/W1D-ANQHY/2A	96
23-21C/T1D-CP2Q2TY/2A	96
23-22B/R7G6C-A30/2T	98
23-22B/S2BHC-C30/2A	98

23-22C/S2BHC-B30/2A	98
23-23B/R6GHBHC-A01/2A	98
24-21/BHC-AN1P2/2A	97
24-21/GHC-YR2T1/2A	97
25-21/BHC-APR/2T	97
25-21/GHC-YSU/2A	97
25-21/T1D-ANQHY/2A	97
25-21/W1D-APQHY/2A	97
264-7SDRC/S530-A3	114
264-7SUBC/S400-X9	114

264-7SUGC/S400-A5	114
264-7SURC/S400-A8	114
264-7SYGC/S530-E3	114
264-7UYC/S400-A9	114
264-7UYOC/S530-A3	114
27-21/BHC-AN1P2/3C	93
27-21/BHC-AP1Q2/3C	93
27-21/GHC-YR1S2M/3C	93
27-21/R6C-AP1Q2B/3C	93
27-21/S2C-FP1Q1L/3C	93

27-21/T1D-ANPHY/3C	93
27-21/T1D-CQ1R2NW/3C	93
27-21/T3D-AP2Q2HY/3C	93
27-21/W1D-APQHY/3C	93
27-21/Y2C-CPQB/3D	93
28-21SDRC/S530-A3/TR8	72
28-21SURC/S530-A2/TR8	72
28-21UYC/S530-A3/TR8	72
3004UM2C/TR8-T	111
3006UM2C/TR8-T	112

313-2SUBC/C470/S400-A5	118
313-2SURC/S530-A3	118
313-2SYGC/S530-E2	118
313-2USOC/S400-A3	118
313-2UYD/S530-A3	118
313-2UYOC/S530-A3	118
323-2SDRD/S530-A3	118
323-2SUBC/S400-X9	118
323-2SUGC/S400-X4	118
323-2SURD/S530-A3	118

323-2SYGD/S530-E2	118
323-2UYD/S530-A3	118
3294-15SUBC/S400-A6	117
3294-15SUGC/S400-A6	117
3294-15SURC/S400-A7	117
3294-15SYGC/S530-E2	117
3294-15UBGC/S400-A6	117
3294-15UYC/S530-A5	117
333/B1C1-ARUA/MS	155
333/G1C1-AWYA/MS	155

333/R7C1-AUWB/P/MS	155
333/Y7C1-ATWB/P/MS	155
333-2SDRC/S530-A4	119
333-2SUBC/C470/S400-A6	119
333-2SUGC/S400-A5	119
333-2SURC/S400-A8	119
333-2SYGC/S530-E2	119
333-2UTC/S400-A6	119
333-2UYC/S400-A4	119
333-2UYC/S530-A3	119

333-2UYOC/S530-A3	119
334-15/F1C1-1XZA	120
334-15/F1C2-7VXA	120
334-15/F1C5-1RTA	120
334-15/T1C1-4WYA	120
334-15/T1C3-4SUC	120
334-15/T1C5-7QSA	120
334-15/T2C1-1UWA	120
334-15/T2C2-1TWB	120
334-15/T2C3-6RTB	120

ALPHANUMERIC INDEX

VISIBLE LED

334-15/T2C5-2PSB	120	423-2SUBC/S400-A4	124	523SYGD/S530-E2	125
334-15/X1C2-1UWA	120	423-2SUGC/S400-X6	124	5484BN/BADC-AFHA/P/MS	154
334-15/X1C5-1QSA	120	423-2SURC/S530-A3	124	5484BN/BADC-AGJA/P/MS	154
334-15/X2C1-1UWB	120	423-2SYGC/S530-E2	124	5484BN/GADC-ALMA/P/MS	154
334-15/X2C3-1QTA	120	423-2UYC/S530-A6	124	5484BN/GADC-AMNA/P/MS	154
334-15/X2C5-1PSB	120	423-2UYOC/S530-A3	124	5484BN/R7DC-AGJB/P/MS	154
336SURSYGW/S530-A3	119	45-11-BNSB-39444901E-2T8-AM	161	5484BN/R7DC-AHJB/P/MS	154
336SYGSYGD/S530-E2	119	45-11S-BUTT-EQ0E9H06S-2T8-AM	161	57-11UTC/S827-1/TR8	110
336UYSYGW/S530-A3	119	45-21S/KK2D-H2727M3N4B2Z6/2T	59	57-21/R6C-AP1Q2B/BF	110
339-1SDRSYGC/S530-A3	121	45-21S/KK2D-H3030M31N4B2Z6/2T	59	57-21SYGC/S530-E3/TR8	110
339-1SURSYGW/S530-A3	121	45-21S/KK2D-H4040M4N4B2Z6/2T	59	573SDRD/S530-A3	126
339-1UYSYGW/S530-A3	121	45-21S/KK2D-H5050M4N4B2Z6/2T	59	573SUBD/S400-X9	126
339-1UYUBW/S530-A4	121	45-21S/KK2D-H5757M4N4B2Z6/2T	59	573SUGD/S400-A5	126
3474BHB	153	45-21S/KK2D-H6565M4N4B2Z6/2T	59	573SUGD/S400-A5	126
3474BHG	153	45-21S/KK3C-H2727B8L3B4Z2Z3/2T	59	573SURD/S530-A3	126
3474BHR	153	45-21S/KK3C-H3030B9L3B4Z2Z3/2T	59	573SYGD/S530-E2	126
3474ELB	153	45-21S/KK3C-H3535B9L3B4Z2Z3/2T	59	583SURD/S530-A3	124
3474ELG	153	45-21S/KK3C-H4040L1L4B4Z2Z3/2T	59	583SYGD/S530-E2	124
3474ELR	153	45-21S/KK3C-H5050L1L4B4Z2Z3/2T	59	583UYD/S530-A3	124
3535CNU-N53A64DF9J43040Z35-F41S-AM	156	45-21S/KK3C-H5757L1L4B4Z2Z3/2T	59	594SDRC/S530-A3	126
3535CNU-URR3R4F6F71925Z35-V41M-AM	156	45-21S/KK3C-H6060L1L4B4Z2Z3/2T	59	594SUBC/C470/S400-A4	126
3535CNU-UYYAYBF6F83040Z35-F41S-AM	156	45-21S/KK3C-H6565L1L4B4Z2Z3/2T	59	594SUGC/S400-A5	126
363-2SDRD/S530-A3	123	48-213/BHC-ZM2P1QY/3C	93	594SURD/S530-A3	126
363-2SUBC/S400-X9	123	48-213/R6C-AM1N2VY/3C	93	594SYGD/S530-E2	126
363-2SUGD/S400-A4	123	48-213/T2D-AQ2R2QY/3C	93	594UYD/S530-A3	126
363-2SURD/S530-A3	123	48-213/T3D-AP1Q2TY/3C	93	594UYD/S530-A3	126
363-2SYGD/S530-E2	123	48-213/T7D-AQ1R2QY/3C	93	61-238UMC/S3085/TR8/LT	99
363-2UYC/S530-A3	123	48-22/R7T2D-C02/2C	94	62-112UMRBC/S5000-02B/TR8-T	105
37-21S/KK3C-H2727M31N32936Z6/2T	63	484-10SDRC/S530-A3	115	62-113TUNC/F105125VM58BJ-T	103
37-21S/KK3C-H3030M4N42936Z6/2T	63	484-10SUBT/S400-A5	115	62-119UNC/T3850M2M5BD/TR8-T	102
37-21S/KK3C-H4040M41N42936Z6/2T	63	484-10SURT/S530-A3	115	62-122UMRBC/S5000-00B/TR8-T	105
37-21S/KK3C-H5050M42N42936Z6/2T	63	484-10SYGT/S530-E2	115	62-123TUNC/F120155M58SBF-T	103
37-21S/KK3C-H5757M42N42936Z6/2T	63	484-10UYOC/S530-A3	115	62-129AUGR4C/3034M6M9PAQ/TR8-T	103
37-21S/KK3C-H6565M42N42936Z6/2T	63	484-10UYT/S530-A3	115	62-129AUNC/T4048M3M6PBD/TR8-T	103
3805UM2C/TR8-T	112	494-10SUBC/S400-X9-L	115	62-129AUNC/T5155M5M8S8C/TR8-T	104
383-2SDRC/S530-A3	121	494-10SURT/S530-A3	115	62-129TUN2C/T94104N6N9S9C-T	104
383-2SUBC/C470/S400-A6	121	494-10SYGT/S530-E2	115	62-217B/KK2C-H2727L8N3B2Z6/2T	64
383-2SUGC/S400-A4	121	494-10UYOC/S530-A3	115	62-217B/KK2C-H2727PBR2B4Z215/2T	64
383-2SURC/S530-A3	121	494-10UYT/S530-A3	115	62-217B/KK2C-H3030L9N3B2Z6/2T	64
383-2SYGC/S530-E2	121	50-315CZUGR6C/TR8-T	104	62-217B/KK2C-H3030QAR3B4Z215/2T	64
383-2USOC/S530-A6	121	50-315CZUH8C/TR8-T	104	62-217B/KK2C-H3535L9N3B2Z6/2T	64
383-2UYC/S530-A3	121	50-615EG-NTEQ2EQ4EBFB2535Z12-2TOT-AM	160	62-217B/KK2C-H3535QAR3B4Z215/2T	64
393-2SUBC/S400-X9	123	50-615EG-NTEQ2EQ4XXX2535Z8-2TOT-AM	160	62-217B/KK2C-H4040L9N3B2Z6/2T	64
393-2SUGC/S400-A6	123	50-615TUMRFC/S4700-1/TR8-T	102	62-217B/KK2C-H4040QAR3B4Z215/2T	64
393-2SURD/S530-A3	123	513-2SDRD/S530-A3	125	62-217B/KK2C-H5050R1R4B4Z215/2T	64
393-2SYGC/S530-E2	123	513-2SUBC/S400-A6	125	62-217B/KK2C-H5050M3N4B2Z6/2T	64
393UYD/S530-A3	123	513-2UYOT/S530-A3	125	62-217B/KK2C-H5757M3N4B2Z6/2T	64
414-10SURD/S530-A3	124	513SURD/S530-A3	125	62-217B/KK2C-H5757R1R4B4Z215/2T	64
414-10UYD/S530-A3	124	513SYGD/S530-E2	125	62-217B/KK2C-H6565M3N4B2Z6/2T	64
4204-10SDRC/S530-A3	117	513UYD/S530-A3	125	62-217B/KK2C-H6565R1R4B4Z215/2T	64
4204-10SUBC/S400-X9	117	519-1SDRSYGW/S530-A3	125	62-217D/KK2C-H2727L8M4B2Z6/2T	65
4204-10SUGC/S400-A5	117	519-1SURSYGW/S530-A3	125	62-217D/KK2C-H3030L9N3B2Z6/2T	65
4204-10SURC/S530-A3	117	519-1UYSYGW/S530-A3	125	62-217D/KK2C-H4040L9N3B2Z6/2T	65
4204-10SYGC/S530-E4	117	523-2SDRD/S530-A3	125	62-217D/KK2C-H5050M3N4B2Z6/2T	65
4204-10USOC/S530-A3	117	523-2SUBC/S400-A4	125	62-217D/KK2C-H5757M3N4B2Z6/2T	65
4204-10UYC/S530-A3	117	523-2SUGD/S400-A6	125	62-217D/KK2C-H6565M3N4B2Z6/2T	65
4204-10UYOC/S530-A3	117	523-2SURD/S530-A3	125	62-217D/KK3D-H2727QAR32835Z15/2T	65
42-21/BHC-AUW/1T	74	523-2USOD/S530-A3	125	62-217D/KK3D-H3030R1R42835Z15/2T	65
42-21A/BHC-ZV1W2N/1T	74	523-2UYD/S530-A3	125	62-217D/KK3D-H4040R1R42835Z15/2T	65
42-21A/GHC-XY1Y2N/1T	74	523-2UYOD/S530-A3	125	62-217D/KK3D-H5050R2R52835Z15/2T	65

62-217D/KK3D-H5757R2R52835Z15/2T	65
62-217D/KK3D-H6565R2R52835Z15/2T	65
62-217D/KK4D-H2727R1R42835Z15/2T	65
62-217D/KK4D-H3030R2R52835Z15/2T	65
62-217D/KK4D-H4040R3R62835Z15/2T	65
62-217D/KK4D-H5050R3R62835Z15/2T	65
62-217D/KK4D-H5757R3R62835Z15/2T	65
62-217D/KK4D-H6565R3R62835Z15/2T	65
62-257D/KK2D-H2727PBR2A4A7Z3/2T	66
62-257D/KK2D-H3030QAR3A4A7Z3/2T	66

62-257D/KK2D-H4040QAR3A4A7Z3/2T	66
62-257D/KK2D-H5050R1R4A4A7Z3/2T	66
62-257D/KK2D-H5757R1R4A4A7Z3/2T	66
62-257D/KK2D-H6565R1R4A4A7Z3/2T	66
63-125TUNC/TR8-T	105
6324-15SUBC/S400-X10	122
6324-15SUGC/S400-A5	122
6324-15SURC/S400-A9	122
6324-15SYGC/S530-E5	122
6364/BADA-AHKA/P/MS	154

6364/BADA-AKMA/P/MS	154
6364/GADA-ANQA/P/MS	154
6364/GADA-AQSA/P/MS	154
6374/R7DA-AJKB/P/MS	154
6374/R7DA-AKMB/P/MS	154
6374/Y7DA-AJKB/P/MS	154
6374/Y7DA-ALNB/P/MS	154
65-11/BHC-AR1S2B2/2T	106
65-11/T2C-FV1W2E/2T	106
65-11-BHC-K9R2S2A7E-2T8-AM	162

65-11-BVT-K0V2ABN0E-2T8-AM	162
65-11-GBC-Y0V1AAN0E-2T8-AM	162
65-11UTC/S933/TR8	106
65-21/G6C-AN2Q1/3T	106
65-21/Y2C-CJ2L2X/3T	106
65-21/Y2SC-AR1S2B/2T	106
65-21/Y2SC-FR2S1B/2T	106
65-21-R7SC-A6Q2S1B0E-2T8-AM	162
65-21-S2SC-B2S1T1B7E-2T8-AM	162
65-21-Y2SC-A0R1S2B7E-2T8-AM	162

67-03/BHGRH6W-B11/2T	109
67-03/RSGHBHC-B06/1T	109
67-03A/R6GHBHW-A01/2T/MS	151
67-11/BHC-FQ2S1F/2T	106
67-11/GHC-AT2V1/2T	106
67-11/W1C-ES1T2N/2T	106
67-11/W1C-FV1W2F/2T	106
67-11U-NP56B64DBACB2638Z2-2T0T-AM	160
67-21/B3C-BN1Q2N/2T	107
67-21/B7C-AS2U1N/2T	107

67-21/G4C-BQ1T2N/2T	107
67-21/G6C-FN2P2B/2T	107
67-21/GBC-YY2W2N/2T	107
67-21/GHC-AS2U1B17Z/2T	107
67-21/GHC-BV1/2T	107
67-21/R6C-AP2R1B/2T	107
67-21/R6C-FN2Q1BZ/2T	107
67-21/R6C-FR2T1B/2T	107
67-21/R6C-FS1U1B/2T	107
67-21/RSC-FT2V1B/2T	107

67-21/S2C-FQ2R2B/2T	107
67-21/S3C-AS1T1/2T	107
67-21/T2C-YV2W2B22/2A0	107
67-21/T2C-ZV1W2E/2T	107
67-21/T3C-EU1V2M/2A0	107
67-21/Y2C-AS1T1/2T	107
67-21/Y2C-BR2T1B/2T	107
67-21/YSC-FU1U2B/2T	107
67-21/YSC-FU1V2B/2T	107
67-21S/HK2C-H3030L8M42936Z6/2T	60

67-21S/HK2C-H4040L9N32936Z6/2T	60
67-21S/HK2C-H5050M3N42936Z6/2T	60
67-21S/HK2C-H5757M3N42936Z6/2T	60
67-21S/HK3C-H2727QAR32835Z15/2T	61
67-21S/HK3C-H3030QA1R32835Z15/2T	61
67-21S/HK3C-H4040R1R42835Z15/2T	61
67-21S/HK3C-H5050R11R42835Z15/2T	61
67-21S/HK3C-H5757R11R42835Z15/2T	61
67-21S/HK3C-H6565R11R42835Z15/2T	61
67-21S/KK2C-H2727M3N42936Z6/2T	60

67-21S/KK2C-H2727PBR22835Z15/2T	61
67-21S/KK2C-H3030M31N42936Z6/2T	60
67-21S/KK2C-H3030QAR32835Z15/2T	61
67-21S/KK2C-H3535M31N42936Z6/2T	60
67-21S/KK2C-H3535QAR32835Z15/2T	61
67-21S/KK2C-H4040M4N42936Z6/2T	60
67-21S/KK2C-H4040QAR32835Z15/2T	61
67-21S/KK2C-H5050M41N42936Z6/2T	60
67-21S/KK2C-H5050R1R42835Z15/2T	61
67-21S/KK2C-H5353M41N42936Z6/2T	60

67-21S/KK2C-H5757M41N42936Z6/2T	60
67-21S/KK2C-H5757R1R42835Z15/2T	61
67-21S/KK2C-H6060M41N42936Z6/2T	60
67-21S/KK2C-H6060R1R42835Z15/2T	61
67-21S/KK2C-H6565M41N42936Z6/2T	60
67-21S/KK2C-H6565R1R42835Z15/2T	61
67-21S/KK3C-H2727M31N42936Z6/2T	60
67-21S/KK3C-H2727QAR32835Z15/2T	61
67-21S/KK3C-H3030M41N42936Z6/2T	60
67-21S/KK3C-H3030R1R42835Z15/2T	61

67-21S/KK3C-H4040M42P32936Z6/2T	60
67-21S/KK3C-H4040R1R42835Z15/2T	61
67-21S/KK3C-H5050N3P32936Z6/2T	60
67-21S/KK3C-H5050R2R52835Z15/2T	61
67-21S/KK3C-H5757N3P32936Z6/2T	60
67-21S/KK3C-H5757R2R52835Z15/2T	61
67-21S/KK3C-H6565R2R52835Z15/2T	61
67-21SUBC/S400-X9/TR8	107
67-21SURC/S530-A7/TR8	107
67-21UBC/C430/TR8	107

67-21U-URD1224V1AB1828Z2-2T0C-AM	160
67-21U-UYD8395V1AB1828Z2-2T0C-AM	160
67-21UYC/S530-A6/TR8	107
67-22/G3G3C-B45/2T	101
67-22/R6BHC-B07/2T	101
67-22/R6G6C-B09/2T	101
67-22/R6Y2C-B31/2T	101
67-22ST/KK3C-H2727S1BS65670Z15/2T	62
67-22ST/KK3C-H3030S2S65670Z15/2T	62
67-22ST/KK3C-H4040S2S65670Z15/2T	62

67-22ST/KK3C-H5050S2BS65670Z15/2T	62
67-22ST/KK3C-H5757S2BS65670Z15/2T	62
67-22ST/KK3C-H6565S2BS65670Z15/2T	62
67-22SURSYGC/S530-A2/TR8	101
67-22UYSYGC/S530-A5/TR8	101
67-23/R6GHBHC-B05/2T	99
67-23/T2C-EY2Z0/2T	99
67-235UWC/TR8	100
67-23SDRSYGUBC/TR8	99
67-31A/B7C-AT1U2M23/2T	108

67-31A/GHC-YV1W2EZ3/2T	108
67-31A/SAC-AW1X2B9Z5/2T	108
67-31E/RSC-AV1W2B9Z5/2T	108
67-31EU-URD1224BACB1828Z5-2T0C-AM	158
67-31EU-UYD8395BACB1828Z5-2T0C-AM	158
67-31EUZ-NP56B64DBDA2638Z3-2T0T-AM	158
67-31F-URD1224XXXX1828Z5-2T0C-AM	159
67-31F-UYD8395XXXX1828Z5-2T0C-AM	159
67-31H-URD1224XXXX1828Z5-2T0C-AM	159
67-31H-URD1224XXXX1828Z5-2T0C-AM	159

67-B23A/R6GHB7W-S01/2T/MS	151
7343/BAD5-AGJA/P/MS	155
7343/GAD5-ANQA/P/MS	155
7343/R7C2-AQSB/P/MS	155
7343/R7D5-AHKB/P/MS	155
7343/Y7C2-AQSB/P/MS	155
7343-2SUBC/S400-A4	122
7343-2SURC/S530-A3	122
7343-2SURC/S530-A3	122
7343-2SYGC/S530-E2	122

7343-2SYGD/S530-E3	122
7343-2USOC/S530-A3	122
7343-2UYC/S530-A3	122
7343-2UYC/S530-A3	122
7344/N7C2-ASVA/P/MS	155
7344-15SUBC/C470/S400-A6	123
7344-15SUGC/S400-A5	123
7344-15SUGC/S400-X6	123
7383/BAC3-ANQA/P/MS	155
7383/G1C3-ATVA/P/MS	155

7383/R7C3-AQSB/P/MS	155
7383/R7C3-ARUB/P/MS	155
7383/Y7C3-ARTA/P/MS	155
7383/Y7C3-AQSB/P/MS	155
7383/Y7C3-ARUB/P/MS	155
91-21SUBC/S400-A4/TR7	72
91-21SUGC/S400-A4/TR7	72
91-21SURC/S530-A6/TR7	72
91-21SYGC/S530-E4/TR7	72
91-21UBC/C430/TR7	72

91-21USRC/S530-A4/TR7	72
93-22SURSYGC/S530-A3/TR8	101
95-21SDRC/S530-A3/TR10	73
95-21SUBC/S400-A5/TR10	73
95-21SUGC/S400-A4/TR7	73
95-21SYGC/S530-E2/TR7	73
95-21USRD/S357/TR7	73
95-21UYC/S530-A5/TR7	73
99-616LM2C/TR8-T	111
99-826LM2C/TR8-T	111

ALPHANUMERIC INDEX

VISIBLE LED

A09KU-NAYAYBDBEB2638Z15-1T0T-AM	158	A93B/SDR/S530-A3	132	EHP-A22/KM35H-P01/35K/K51/TR	55
A09KU-NP56B64DEBFA2638Z15-1T0T-AM	158	A93B/SUB/S400-A6	132	EHP-A22/KM35H-P01/40K/K51/TR	55
A09KU-URD0921DBEB1828Z15-1T0C-AM	158	A93B/SUGC/S400-X6	132	EHP-A22/KM35H-P01/40K/K51/TR	55
A1394B/3SUR/S530-A3	129	A93B/SUR/S530-A3	132	EHP-A22/KM35H-P01/45K/K51/TR	55
A1394B/3SYG/S530-E2	129	A93B/SYG/S530-E2	132	EHP-A22/KM35H-P01/45K/K51/TR	55
A1394B/3UY/S530-A3	129	A93B/UY/S530-A3	132	EHP-A22/KT35H-P01/57K/K53/TR	55
A1394B/3UYO/S530-A3	129	ARG2M-WB-A4D1E8F1C2-AC-AM	156	EHP-A22/KT35H-P01/57K/K53/TR	55
A1479-1B/SURSYGW/S530-A3	131	ARG4M-WB-A4D11J3C2-AC-AM	156	ELAT07-KB4050J5J7293910-F1S	71
A1479-1B/SURSYGWS530-A3	131	ARG5M-WB-A4D1K1M1C2-AC-AM	156	ELCH03-KB4050F6F8284103-N1S	70
A1479-1B/SYGUYOW/S530-A3	131	B1001SDRWB/S530-A3	149	ELCH04-NF5070F9J3294105-N1S	69
A1479-1B/UYSYGW/S530-A3	131	B1001SURWB/S530-A3	149	ELCH05-NB1924J4J6294310-N1S	68
A1479-1B/UYUYW/S530-A3	131	B1001SYGWA/S530-E2	149	ELCH05-NB5060J4J6294310-N1S	68
A1844B/2SYG2SUR/S530-E2	130	B1001USOWA/S530-A4	149	ELCH05-NB5065J4J6294310-N1S	69
A1844B/2SYG2UY/S530-A2	130	B1010SURD/S530-A3	149	ELCH07-NB1924J5J7283910-P1M	68
A1844B/4SUBW/C470/S400-A6	130	B1010SYGD/S530-E2	149	ELCH07-NB5060J6J7283910-P1S	69
A1844B/4SUR/S530-A3	130	CHI2024-KHAH4NG-24609-3G0T	49	ELCH07-NB5565J6J7283910-P1S	68
A1844B/4SYG/S530-E2	130	CHI3030-KHAH4P7-27E19-3K0T	50	ELCH08-KB4050J6J7283910-F1S	70
A1844B/4UY/S530-A3	130	CHI3030-KHAH4S2-27L29-3Q0T	50	ELCH08-NB1924J6J8283910-F1M	68
A203B/SUB/S400-A6	132	D305SDRWB/S530-A3	135	ELCH08-NB5060J6J7283910-F1S	69
A203B/SUR/S530-A3	132	D305SURWA/S530-A3	135	ELCH08-NB5060J7J8283910-F1S	69
A203B/SYG/S530-E2	132	D305SYGWA/S530-E2	135	ELCH08-NB5565J6J8283910-F1S	68
A203B/UY/S530-A3	132	D306SURWA/S530-A3	135	ELCH08NU-NAY1Y1J1J72941Z70-H41M-AM	157
A214B/SDR/S530-A3	128	D306SYGWA/S530-E2	135	ELCH08NU-NP53A64DJ7J92941Z70-F41H-AM	157
A214B/SUBC/C470/S400-A4	128	D306USOWA/S530-A3	135	ELCH08NU-URD1426F6J32133Z70-V41M-AM	157
A214B/SUG/S400-X6	128	D425SDRWA/S530-A4	135	ELCU02-5070J6J7294310-N0	67
A214B/SUR/S530-A3	128	D425SURWA/S530-A3	135	ELCU02-5070J6J7294310-N0	67
A214B/SYG/S530-E2	128	D425SYGWA/S530-E2	135	ELCU03-NF5060J3J5294110-E1S	67
A214B/USOC/S530-A3	128	D425USOWA/S530-A4	135	ELCU03-NF5060J6J8294110-E1S	67
A214B/UY/S530-A3	128	D426SDRWB/S530-A3	136	ELEM-2025F3F82838Z15-T4BN	68
A253B/SUB/S400-A4	132	D426SYGWA/S530-E2	136	ELEM-4555F4F92838Z15-T4BN	68
A253B/SUR/S530-A3	132	D426USOWA/S530-A3	136	ELEM-5070E7F32838Z6-T2	69
A253B/SYG/S530-E2	132	D426UYOWB/S530-A3	136	ELEM-5070F4F92838Z15-T4	69
A253B/UY/S530-A3	132	D511SURWB/S530-A3	136	ELEM-KB4060E6F22838Z6-T2S	70
A264B/SDR/S530-A3	128	D511SYGWA/S530-E2	136	ELEM-KB4060F3F82838Z15-T4S	70
A264B/SUB/S400-A4	128	D511UBWA/C470	136	ELSH-E81B1-OLPNM-CB7B8	54
A264B/SUG/S400-A4	128	D512SDRWB/S530-A3	136	ELSH-E91B3-OLPNM-DB6B8	54
A264B/SUR/S530-A3	128	D512SURWB/S530-A3	136	ELSH-F41Y1-OLPNM-AA3A5	54
A264B/SYG/S530-E2	128	D512SYGWA/S530-E2	136	ELSH-F41Y1-OLPNM-AA4A6	54
A264B/UY/S530-A3	128	D512UBWA/C470	136	ELSH-F51O1-OLPNM-AR3R4	54
A264B/UYO/S530-A3	128	D515SURWA/S530-A3	137	ELSH-F51R1-OLPNM-AR5R6	54
A274B/SDR/S530-A3	128	D525SURWA/S530-A3	137	ELSH-F61M1-OLPGS-C2700	54
A274B/SUB/S400-X9	128	D525SYGWA/S530-E2	137	ELSH-F61O1-OPPNM-AR3R4	54
A274B/SUR/S530-A3	128	D526SURWA/S530-A3	137	ELSH-F61R1-OPPNM-AR5R6	54
A274B/SYG/S530-E2	128	D526SYGWA/S530-E2	137	ELSH-F71M1-OLPGS-C3000	54
A274B/UY/S530-A3	128	D526USOWA/S530-A4	137	ELSH-F71M1-OLPGS-C3500	54
A2774B/SUB/S400-X9	131	EHP-A22/GT35H-P01/50K/K53/TR	55	ELSH-F81C1-OLPGS-C5000	54
A2774B/SUR/S530-A3	131	EHP-A22/GT35H-P01/50K/K53/TR	55	ELSH-F81G1-OPPNM-CG1G2	54
A2774B/SYG/S530-E2	131	EHP-A22/GT35H-P01/57K/N11/TR	55	ELSH-F81G1-OPPNM-CG2G3	54
A2774B/UY/S530-A3	131	EHP-A22/GT35H-P01/57K/N11/TR	55	ELSH-F81N1-OLPGS-C4000	54
A2774B/UYSYGW/S530-A3	131	EHP-A22/GT35H-P01/57K/N12/TR	55	ELSH-F81N1-OLPGS-C4500	54
A2784B/2SURSYGW/S530-A3	130	EHP-A22/GT35H-P01/57K/N12/TR	55	ELSH-F91C1-OLPGS-C5700	54
A2784B/2SYG/S530-E2	130	EHP-A22/GT35H-P01/65K/K53/TR	55	ELSH-F91C1-OLPGS-C6500	54
A2784B/2SYGSDRW/S530-A3	130	EHP-A22/GT35H-P01/65K/K53/TR	55	ELSH-F91R3-OLPNM-BR4R6	54
A2784B/SDRSYG/S530-A3	130	EHP-A22/KM35H-P01/27K/K43/TR	55	ELSH-F91Y3-OLPNM-BA3A5	54
A694B/2SUB/S400-A6	129	EHP-A22/KM35H-P01/27K/K43/TR	55	ELSH-J11G3-OLPNM-DG1G3	54
A694B/2SUR/S530-A3	129	EHP-A22/KM35H-P01/30K/K51/TR	55	ELSH-J21M3-OLPGS-D2700	54
A694B/2SYG/S530-E2	129	EHP-A22/KM35H-P01/30K/K51/TR	55	ELSH-J21M3-OLPGS-D3000	54
A694B/2UY/S530-A3	129	EHP-A22/KM35H-P01/30K/K52/TR	55	ELSH-J21M3-OLPGS-D3500	54
A694B/SURSYG/S530-A3	129	EHP-A22/KM35H-P01/30K/K52/TR	55	ELSH-J31N3-OLPGS-D4000	54
A694B/SYGUY/S530-A3	129	EHP-A22/KM35H-P01/35K/K51/TR	55	ELSH-J41N3-OLPGS-D4500	54

ELSH-J51C3-OLPGS-D5000	54
ELSH-J61C3-OLPGS-D5700	54
ELSH-J61C3-OLPGS-D6500	54
ELSH-Q61F1-OLPNM-JF3F8	54
ELSH-Q91E1-OLPNM-JD3D8	54
ELSH-Q91L1-OLPNM-CB4B6	54
ELSWD-F81M1-1LPHE-C2700	51
ELSWD-F81M1-1LPHE-C2700	51
ELSWD-F91M1-1LPHE-C3000	51
ELSWD-F91M1-1LPHE-C3000	51

ELSWD-F91M1-1LPHE-C3500	51
ELSWD-F91M1-1LPHE-C3500	51
ELSWD-J11C1-1LPGC-C4000	51
ELSWD-J11C1-1LPGC-C4000	51
ELSWD-J11N1-1LPHC-C4000	51
ELSWD-J11N1-1LPHC-C4000	51
ELSWD-J11N1-1LPHC-C4500	51
ELSWD-J11N1-1LPHC-C4500	51
ELSWD-J21C1-1LPGC-C4500	51
ELSWD-J21C1-1LPGC-C4500	51

ELSWD-J21C1-1LPGC-C5000	51
ELSWD-J21C1-1LPGC-C5000	51
ELSWD-J21C1-1LPHC-C5700	51
ELSWD-J21C1-1LPHC-C5700	51
ELSWD-J31C1-1LPGC-C5700	51
ELSWD-J31C1-1LPGC-C5700	51
ELSWD-J31C1-1LPGC-C6500	51
ELSWD-J31C1-1LPGC-C6500	51
ELSW-E81B1-OLPNM-CB7B8	52
ELSW-F41Y1-OLPNM-AA3A5	52

ELSW-F61O1-OPPNM-AR3R4	52
ELSW-F61R1-OPPNM-AR5R6	52
ELSW-F81G1-OPPNM-CG1G2	52
ELSWN-JA1M1-0VPHS-C2700	53
ELSWN-JA1M1-0VPHS-C3000	53
ELSWN-JA1M1-0VPHS-C3500	53
ELSWN-JB1M1-5VPHS-C2700	53
ELSWN-JB1M1-5VPHS-C3000	53
ELSWN-JB1M1-5VPHS-C3500	53
ELSWN-JB1N1-0VPHS-C4000	53

ELSWN-JB1N1-0VPHS-C4500	53
ELSWN-JC1C1-0VPHS-C5000	53
ELSWN-JC1C1-0VPHS-C5700	53
ELSWN-JC1N1-0VPGS-C4000	53
ELSWN-JC1N1-0VPGS-C4500	53
ELSWN-JC1N1-5VPHS-C4000	53
ELSWN-JC1N1-5VPHS-C4500	53
ELSWN-JE1C1-0VPGS-C5000	53
ELSWN-JE1C1-0VPGS-C5700	53
ELSWN-JE1C1-0VPGS-C6500	53

ELSWN-JE1C1-5VPHS-C5000	53
ELSWN-JE1C1-5VPHS-C5700	53
ELSWN-JE1N1-5VPGS-C4000	53
ELSWN-JE1N1-5VPGS-C4500	53
ELSWN-JF1C1-5VPGS-C5000	53
ELSWN-JF1C1-5VPGS-C5700	53
ELSWN-JF1C1-5VPGS-C6500	53
ELSW-Q91E1-OLPNM-AD3D8	52
ELSW-Q91L1-OLPNM-CB4B6	52
ELYU03-5060J5J7294310-N0	67

ELYU03-5070J5J7294310-N0	67
F415SURWA/S530-A3	139
F416SURWA/S530-A3	140
F416SYGWA/S530-E3	140
F416USRWA/S530-A3	140
F511GWA	140
F511SURWA/S530-A3	140
F511SYGWA/S530-E2	140
F512SDRWB/S530-A3	140
F512SURWA/S530-A3	140

F512SYGWA/S530-E2	140
HN0325	152
HN0507	151
HNB353	152
JU1215-GT507K7-09804-450T	42
JU1215-GT577K7-09804-450T	42
JU1215-GT657K7-09804-450T	42
JU1215-KM277K5-09804-450T	42
JU1215-KM277K5-90104-45AT	42
JU1215-KM277N4-36206-390T	43

JU1215-KM277N6-12507-090T	43
JU1215-KM277N9-36309-390T	44
JU1215-KM277P2-36412-390T	45
JU1215-KM307K5-09804-450T	42
JU1215-KM307K5-90104-45AT	42
JU1215-KM307N5-36206-390T	43
JU1215-KM307N6-12507-090T	43
JU1215-KM307P1-36309-390T	44
JU1215-KM307P3-36412-390T	45
JU1215-KM407K5-09804-450T	42

JU1215-KM407K5-90104-45AT	42
JU1215-KM407N5-36206-390T	43
JU1215-KM407N6-12507-090T	43
JU1215-KM407P1-36309-390T	44
JU1215-KM407P3-36412-390T	45
JU1215-KT507K6-90104-45AT	42
JU1215-KT507K7-09804-450T	42
JU1215-KT507N6-36206-390T	43
JU1215-KT507N7-12507-090T	43
JU1215-KT507P2-36309-390T	44

JU1215-KT507P3-18610-0A0T	44
JU1215-KT507P4-36412-390T	45
JU1215-KT577K7-09804-450T	42
JU1215-KT577N6-36206-390T	43
JU1215-KT577N7-12507-090T	43
JU1215-KT577P2-36309-390T	44
JU1215-KT577P3-18610-0A0T	44
JU1215-KT577P4-36412-390T	45
JU1215-KT657K7-09804-450T	42
JU1215-KT657N7-12507-090T	43

JU1215-KT657P3-18610-0A0T	44
JU2024-KM277M4-48A50-3G0T	47
JU2024-KM277P5-30515-0G0T	45
JU2024-KM277S2-36725-3G0T	46
JU2024-KM277S7-36A35-3G0T	47
JU2024-KM304P7-30516-0G0T	46
JU2024-KM307M5-48A50-3G0T	47
JU2024-KM307P6-30515-0G0T	45
JU2024-KM307S3-36725-3G0T	46
JU2024-KM307S8-36A35-3G0T	47

JU2024-KM357P6-30515-0G0T	45
JU2024-KM404P7-30516-0G0T	46
JU2024-KM407M6-48A50-3G0T	47
JU2024-KM407P6-30515-0G0T	45
JU2024-KM407S4-36725-3G0T	46
JU2024-KM407S9-36A35-3G0T	47
JU2024-KM457P7-30515-0G0T	45
JU2024-KT507M1-36A35-3G0T	47
JU2024-KT507M7-48A50-3G0T	47
JU2024-KT507P7-30515-0G0T	45

JU2024-KT507S5-36725-3G0T	46
JU2024-KT577P7-30515-0G0T	45
JU2024-KT657P7-30515-0G0T	45
JU3030-KM276P1-A1109-0G0T	48
JU3030-KM276P5-A2113-0G0T	48
JU3030-KM276P8-90220-0G0T	49
JU3030-KM306P1-A1109-0G0T	48
JU3030-KM306P5-A2113-0G0T	48
JU3030-KM406P2-A1109-0G0T	48
JU3030-KM406P6-A2113-0G0T	48

JU3030-KT506P2-A1109-0G0T	48
JU3030-KT506P6-A2113-0G0T	48
JU3030-KT506S1-90220-0G0T	49
JU3030-KT576P2-A1109-0G0T	48
JU3030-KT576P6-A2113-0G0T	48
JU3030-KT566P2-A1109-0G0T	48
JU3030-KT656P6-A2113-0G0T	48
M2881SURWA/S530-A3	148
M2881SYGWA/S530-E2	148
M2881UYWA/S530-A3	148

M2882SYGWA/S530-E2	148
S1006SDRDB/A3/S660	134
S1006SURWA/S530-A3	134
S1006SYGWA/S530-E2	134
S2325SURWA/S530-A3	134
S2326SURWA/S530-A3	134
S2326SYGWA/S530-E2	134
S2326UBWA/C470	134
S2326USOWA/S530-A4	134
S315SURWA/S530-A3	133

S315SYGWA/S530-E2	133
S321SURWA/S530-A3	133
S321SYGWA/S530-E2	133
S321USOWA/S530-A4	133
S322SURWA/S530-A3	133
S322SYGWA/S530-E2	133
S322UBWA/C470	133
S322USOWA/S530-A4	133
SD405SURWA/S530-A3/S290	143
SD405SYGWA/S530-E2	143

SD406SURWA/S530-A4/S290	143
SD406SYGWA/S530-E2/S290	143
SD506SURWA/S530-A4/S290	144
SD511SYGWA/S530-E2/S290	144
SD512SYGWA/S530-E2/S290	144
SF405SURWA/S530-A3/S290	147
SF405SYGWA/S530-E2/S290	147
SF405UYOWA/A3/S290	147
SF511SURWA/S530-A3/S290	147
SF512SURWA/S530-A3/S290	147

ALPHANUMERIC INDEX

VISIBLE LED

SF512SYGWA/S530-E2/S290	147	XI3030/KK3C-H3030S2S658661Z15/2N	56	XUAN1919-KM307P8-36817-3E0T	40
SS205SURWA/S530-A3/S290	141	XI3030/KK3C-H4040S2S658661Z15/2N	56	XUAN1919-KM307S5-36C25-3E0T	41
SS205SYGWA/S530-E2/S290	141	XI3030/KK3C-H5050S2S658661Z15/2N	56	XUAN1919-KM357P4-36510-3E0T	39
SS205UYOWA/S530-A3/S290	141	XI3030/KK3C-H5757S2S658661Z15/2N	56	XUAN1919-KM357P5-36613-3E0T	40
SS205UYWA/S530-A3/S290	141	XI3030/KK3C-H6565S2S658661Z15/2N	56	XUAN1919-KM357P8-36817-3E0T	40
SS206SURWA/S530-A3/S290	141	XI3030EU-NAYAYBF6F82734Z35-H41D-AM	157	XUAN1919-KM357S5-36C25-3E0T	41
SS206SYGWA/S530-E2/S290	141	XI3030EU-NP53A64DJ2J42734Z35-H41D-AM	157	XUAN1919-KM407P4-36510-3E0T	39
SS206USRWA/S530-A3/S290	141	XI3030EU-URD0820F4F61830Z35-V41D-AM	157	XUAN1919-KM407P5-36613-3E0T	40
SS206UYWA/S530-A3/S290	141	XI3535-HM307F8-03201-000P	57	XUAN1919-KM407P8-36817-3E0T	40
SS405SURWB/S530-A3/S290	141	XI3535-KM277F9-03201-000P	57	XUAN1919-KM407S5-36C25-3E0T	41
SS405SYGWA/S530-E2	141	XI3535-KM277J2-06101-000P	57	XUAN1919-KM457P4-36510-3E0T	39
SS405UBWA/C470	141	XI3535-KM307F9-03201-000P	57	XUAN1919-KM457P6-36613-3E0T	40
SS406SURWA/S530-A3/S290	142	XI3535-KM307J2-06101-000P	57	XUAN1919-KM457P9-36817-3E0T	40
SS406SYGWA/S530-E2	142	XI3535-KM357F9-03201-000P	57	XUAN1919-KM457S6-36C25-3E0T	41
SS406USRWA/S530-A3/S290	142	XI3535-KM407F9-03201-000P	57	XUAN1919-KT507P4-36510-3E0T	39
SS406UYWA/S530-A2/S290	142	XI3535-KM407J2-06101-000P	57	XUAN1919-KT507P6-36613-3E0T	40
SS506SURWA/S530-A4/S290	142	XI3535-KT507J1-03201-000P	57	XUAN1919-KT507P9-36817-3E0T	40
SS506SYGWA/S530-E2	142	XI3535-KT507J3-06101-000P	57	XUAN1919-KT507S6-36C25-3E0T	41
SS506USOWA/S530-A3/S290	142	XI3535-KT577J1-03201-000P	57	XUAN1919-KT577P4-36510-3E0T	39
SS506UYOWA/S530-A3/S290	142	XI3535-KT577J3-06101-000P	57	XUAN1919-KT577P6-36613-3E0T	40
SS511SURWA/S530-A3/S290	142	XI3535-KT607J1-03201-000P	57	XUAN1919-KT577P9-36817-3E0T	40
SS511SYGWA/S530-E2/S290	142	XI3535-KT657J1-03201-000P	57	XUAN1919-KT577S6-36C25-3E0T	41
SS511UBWA/C470	142	XI3535-KT657J3-06101-000P	57	XUAN1919-KT657P4-36510-3E0T	39
SS512SURWA/S530	143	XI3535-PT577F9-03201-000P	57	XUAN1919-KT657P6-36613-3E0T	40
SS512SYGWA/S530-E2	143	XI5050-KM277K9-20104-000P	58	XUAN1919-KT657P9-36817-3E0T	40
SS512UBWA/C470/S290	143	XI5050-KM307N1-20104-000P	58	XUAN1919-KT657S6-36C25-3E0T	41
SS512UYWA/S530-A2/S290	143	XI5050-KM407N1-20104-000P	58		
ST405SUGWA/S530-A4/S290	145	XI5050-KT507N2-20104-000P	58		
ST405SURWA/S530-A3/S290	145	XI5050-KT577N2-20104-000P	58		
ST405SYGWA/S530-E2	145	XI5050-KT657N2-20104-000P	58		
ST405UYOWA/S530-A3/S290	145	XUAN1313-KM277K9-36204-390T	38		
ST406SURWA/S530-A3/S290	145	XUAN1313-KM277N7-36306-390T	38		
ST406SYGWA/S530-E2	145	XUAN1313-KM277P1-36408-390T	39		
ST505SYGWA/S530-E2/S290	145	XUAN1313-KM307N1-36204-390T	38		
ST511SYGWA/S530-E2/S290	146	XUAN1313-KM307N7-36306-390T	38		
ST512SURWA/S530-A3/S290	146	XUAN1313-KM307P1-36408-390T	39		
ST512SYGWA/S530-E2/S290	146	XUAN1313-KM357N2-36204-390T	38		
ST512UBWA/C470/S290	146	XUAN1313-KM357N8-36306-390T	38		
T315SDRWA/S530-A3	138	XUAN1313-KM357P1-36408-390T	39		
T315SURWA/S530-A2	138	XUAN1313-KM407N3-36204-390T	38		
T315SYGWA/S530-E2	138	XUAN1313-KM407N8-36306-390T	38		
T315UYOWA/S530-A3	138	XUAN1313-KM407P1-36408-390T	39		
T316SDRWA/S530-A3	138	XUAN1313-KM457N3-36204-390T	38		
T316SURWA/S530-A3	138	XUAN1313-KM457N8-36306-390T	38		
T316SYGWA/S530-E2	138	XUAN1313-KM457P1-36408-390T	39		
T511SUGWB/S400-A4/S800	138	XUAN1313-KT507N3-36204-390T	38		
T511SURWA/S530-A3	138	XUAN1313-KT507N9-36306-390T	38		
T511SYGWA/S530-E2	138	XUAN1313-KT507P2-36408-390T	39		
T511UYOWA/S530-A3	138	XUAN1313-KT577N3-36204-390T	38		
T512SURWA/S530-A3	139	XUAN1313-KT577N9-36306-390T	38		
T512SYGWA/S530-E2	139	XUAN1313-KT577P2-36408-390T	39		
T512USOWA/S530-A4	139	XUAN1313-KT657N3-36204-390T	38		
T512UYOWA/S530-A3	139	XUAN1313-KT657N9-36306-390T	38		
XI2323/KK3C-H2727M3N4B63Z6/2T	63	XUAN1313-KT657P2-36408-390T	39		
XI2323/KK3C-H3030M3P3B63Z6/2T	63	XUAN1919-KM277P3-36510-3E0T	39		
XI2323/KK3C-H4040M3P3B63Z6/2T	63	XUAN1919-KM277P4-36613-3E0T	40		
XI2323/KK3C-H5050M4P3B63Z6/2T	63	XUAN1919-KM277P7-36817-3E0T	40		
XI2323/KK3C-H5757M4P3B63Z6/2T	63	XUAN1919-KM277S4-36C25-3E0T	41		
XI2323/KK3C-H6565M4P3B63Z6/2T	63	XUAN1919-KM307P3-36510-3E0T	39		
XI3030/KK3C-H2727S1S5 58661Z15/2N	56	XUAN1919-KM307P5-36613-3E0T	40		

ALPHANUMERIC INDEX

INFRARED LED, SENSORS, COUPLERS

4N25	248	EL060L	238	EL3033(P5)	254
4N26	248	EL0611	238	EL3041	255
4N27	248	EL0630	238	EL3041(P5)	254
4N28	248	EL0631	238	EL3042	255
4N29	236	EL0700	239	EL3042(P5)	254
4N30	236	EL0701	239	EL3043	255
4N31	236	EL1010-G	246	EL3043(P5)	254
4N32	236	EL1012-G	246	EL3051	255
4N33	236	EL1013-G	246	EL3051(P5)	254
4N35	248	EL1014-G	246	EL3052	255
4N36	248	EL1017-G	246	EL3052(P5)	254
4N37	248	EL1018-G	246	EL3053	255
4N38	248	EL1019-G	246	EL3053(P5)	254
6N135	240	EL1110-G	247	EL3061	255
6N136	240	EL1112-G	247	EL3061(P5)	254
6N137	240	EL1113-G	247	EL3062	255
6N138	241	EL1114-G	247	EL3062(P5)	254
6N139	241	EL1116-G	247	EL3063	255
ALS-PD70-01C/TR7	220	EL1117-G	247	EL3063(P5)	254
ALS-PDIC144-6C/L378	218	EL1118-G	247	EL3081	255
ALS-PDIC15-21B/TR8	219	EL1119-G	247	EL3081(P5)	254
ALS-PDIC15-21C/L230/TR8	219	EL121N	245	EL3082	255
ALS-PDIC17-55C/TR8	219	EL205	249	EL3082(P5)	254
ALS-PDIC17-57B/TR8	222	EL206	249	EL3083	255
ALS-PDIC17-77B/TR8	220	EL207	249	EL3083(P5)	254
ALS-PDIC17-77C/TR8	220	EL208	249	EL354N-G	244
ALS-PDIC17-79NB/TR8	222	EL211	249	EL357L	247
ALS-PDIC243-3B	218	EL212	249	EL357L(A)	247
ALS-PDIC243-3B/L525	218	EL213	249	EL357L(B)	247
ALS-PDIC243-3C	218	EL215	249	EL357L(C)	247
ALS-PT17-51C/L177/TR8	221	EL216	249	EL357N-G	245
ALS-PT17-51NB/L369/TR8	221	EL217	249	EL3H4-G	245
ALS-PT19-315C/L177/TR8	221	EL2200	239	EL3H7-G	246
ALS-PT204-6C/L177	217	EL2201	239	EL406A	256
ALS-PT243-3C/L177	217	EL2202	239	EL425A	256
ALS-PT333-3C/L177	217	EL250L	240	EL440A	256
APM-12D23-20-DF8/TR8	223	EL2530	240	EL4502	240
APM-16D18-00-DF8/TR8	223	EL2531	240	EL4503	240
CLS15-22C/L213B/TR8	224	EL2601	240	EL4504	240
CLS15-22C/L213G/TR8	224	EL260L	240	EL452-G	235
CLS15-22C/L213R/TR8	224	EL2611	240	EL460A	256
CNY17-1	248	EL2630	240	EL606A	256
CNY17-2	248	EL2631	240	EL617	243
CNY17-3	248	EL3010	255	EL625A	256
CNY17-4	248	EL3010(P5)	254	EL640A	256
CNY17F-1	248	EL3011	255	EL660A	256
CNY17F-2	248	EL3011(P5)	254	EL814	243
CNY17F-3	248	EL3012	255	EL815	235
CNY17F-4	248	EL3012(P5)	254	EL816	243
CNY64	244	EL3021	255	EL817	243
CNY65	244	EL3021(P5)	254	EL8171	243
EL0452	238	EL3022	255	EL817-G	243
EL0453	238	EL3022(P5)	254	EL825	236
EL0500	238	EL3023	255	EL827	249
EL0501	238	EL3023(P5)	254	EL840A	257
EL050L	238	EL3031	255	EL847	251
EL0530	238	EL3031(P5)	254	EL851	243
EL0531	238	EL3032	255	EL852	235
EL0600	238	EL3032(P5)	254	EL860A	257
EL0601	238	EL3033	255	ELD205	250

ALPHANUMERIC INDEX

INFRARED LED, SENSORS, COUPLERS

ELD206	250	H11B1	236	IR333/H0	167
ELD207	250	H11B2	236	IR333/H0/L10	167
ELD211	250	H11B255	236	IR333-A	167
ELD213	250	H11B3	236	IR333C	167
ELD217	250	H11L1	242	IR333C/H0/L10	167
ELD3H4	250	HIR11-21C/L11/TR8	173	IR333C/H2	167
ELD3H7	250	HIR12-21C/TR8	173	IR383	167
ELM3022	252	HIR17-21C/L289/TR8	174	IR42-21C/TR8	177
ELM3023	252	HIR19-21C/L289/TR8	174	IR533C	168
ELM3024	252	HIR204	166	IR5443-14C/L527	170
ELM3042	252	HIR204/H0	166	IR67-21C/TR8	177
ELM3043	252	HIR204C	166	IR7373C	168
ELM3044	252	HIR204C/H0	166	IR7393C	168
ELM3052	252	HIR234C	166	IR8353-14C	169
ELM3053	252	HIR25-21C/L423/TR8	175	IR8394-20C	170
ELM3054	252	HIR26-21B/L423/CT	175	IR89-01C/L447/1R	178
ELM3062	252	HIR30-01C/S16	171	IR908-7C-F	172
ELM3063	252	HIR323C	167	IR91-21C	178
ELM3064	252	HIR323C/H0	167	IR91-21C/TR10	178
ELM3082	252	HIR333/H0	167	IR91-21C/TR7	178
ELM3083	252	HIR333C/H0	167	IR928-6C-F	172
ELM3084	252	HIR36-01C/S32	171	IR95-21C/TR7	179
ELM452	237	HIR38-01C	171	IR968-8C	172
ELM453	237	HIR383C/L289	167	IR-C19D-N90/L563-P03/TR	180
ELM453L	237	HIR42-21C/L290/TR8	177	IR-C19-N/L482-P01/TR	180
ELM600	237	HIR67-21C/L11/TR8	177	IRM-3600W	207
ELM601	237	HIR67-21C/L289/TR8	177	IRM-3636M3(A)	197
ELM611	237	HIR7323C/L599	169	IRM-3636M-X(B)	195
ELQ3H4	251	HIR7373B/L289	168	IRM-3636T(A)	197
ELQ3H7	251	HIR7373C	168	IRM-3636T-X(B)	197
ELT3021	253	HIR7393B/L289	168	IRM-3638C(A)	197
ELT3022	253	HIR7393C	168	IRM-3638C-X(B)	197
ELT3023	253	HIR83-01B/TR8	177	IRM-3638M(A)	195
ELT3041	253	HIR8323/C16	169	IRM-3638M2(A)	197
ELT3042	253	HIR89-01C/1R	178	IRM-3638M2-X(B)	197
ELT3043	253	HIR91-01C/L297/2T	179	IRM-3638M3(A)	197
ELT3051	253	HIR-C19D/L298-P01/TR	180	IRM-3638M3-X(B)	197
ELT3052	253	HIR-C19D-1N90/L558-P03/TR	180	IRM-3638M-X(B)	195
ELT3053	253	IR11-21C/L302/TR8	173	IRM-3638T(A)	197
ELT3061	253	IR11-21C/TR8	173	IRM-3638T-X(B)	197
ELT3062	253	IR12-206C/L268/TR8	178	IRM-3640C(A)	197
ELT3063	253	IR12-21C/TR8	173	IRM-3640M2(A)	197
ELT3081	253	IR15-21C/TR8	173	IRM-3640T(A)	197
ELT3082	253	IR17-21C/TR8	174	IRM-3640T-X(B)	197
ELT3083	253	IR19-21C/TR8	174	IRM-3656M3(A)	197
ELW135	241	IR19-315C/TR8	174	IRM-3656M3-X(B)	197
ELW136	241	IR204/H16/L10	166	IRM-3656M-X(B)	195
ELW137	242	IR204/H60	166	IRM-3656T(A)	197
ELW2601	242	IR204-A	166	IRM-3736M	195
ELW2611	242	IR204C/H16/L10	166	IRM-3736M3	202
ELW4503	241	IR204C-A	166	IRM-3738M	195
H11A1	248	IR25-21C/TR8	175	IRM-3738M3	202
H11A2	248	IR26-21C/L110/TR8	175	IRM-3738T	202
H11A3	248	IR26-51C/L110/TR8	175	IRM-3740M2	202
H11A4	248	IR26-61C/L302/TR8	176	IRM-3740T	202
H11A5	248	IR26-61C/L447/TR8	176	IRM-3756M	195
H11AA1	249	IR26-71C/L302/TR8	176	IRM-3756M	202
H11AA2	249	IR26-71C/L447/S63/TR8	176	IRM-3756M3	202
H11AA3	249	IR323	167	IRM-3756T	202
H11AA4	249	IR323/H0-A	167	IRM-6636M3	198

IRM-6638M3	198
IRM-6638T	198
IRM-6640M2	198
IRM-6736M3S47F61	202
IRM-6738M3S47F61	202
IRM-8601M2	198
IRM-8601M2-2	198
IRM-8601M2-4	198
IRM-8601M2-M	198
IRM-8602M2	199

IRM-8602M2-2	199
IRM-8607M2	199
IRM-8608M2	199
IRM-8609M2-4-M	200
IRM-8751M2	200
IRM-8752M2	200
IRM-8752M2-2	200
IRM-8753M2	201
IRM-8755M2	201
IRM-8838M3	203

IRM-8861M2	201
IRM-H236M3/TR2	204
IRM-H236T/TR2	204
IRM-H238M3/TR2	204
IRM-H238T/TR2	204
IRM-H240C/TR2	204
IRM-H240M2/TR2	204
IRM-H336M3/TR2	204
IRM-H338M3/TR2	204
IRM-H536M/TR2	196

IRM-H538M/TR2	196
IRM-H538M3	205
IRM-H538T/TR2	205
IRM-H600JW	207
IRM-H620J5/TR2	207
IRM-H636M/TR2	196
IRM-H636M3/TR2	206
IRM-H636T/TR2	206
IRM-H638M/TR2	196
IRM-H638M3/TR2	206

IRM-H638T/TR2	206
IRM-H656T/TR2	206
IRM-H836M/TR2	196
IRM-H836M3/TR2	205
IRM-H838M/TR2	196
IRM-H838M3/TR2	205
IRM-H920J5/TR2	207
IRM-H936M3/TR2	203
IRM-H938M3/TR2	203
IRM-H938T/TR2	203

IRM-V336M3/TR1	204
IRM-V536M/TR1	195
IRM-V536M3/TR1	203
IRM-V538M/TR1	195
IRM-V538M3/TR1	203
IRM-V538T/TR1	203
IRM-V540C/TR1	203
IRM-V540M2/TR1	203
IRM-V836M3/TR1	205
IRM-V838C/TR1	205

IRM-V838M3/TR1	205
IRM-V840C/TR1	205
IRR60-48C/TR8	179
ITR1201SR10AR/TR	225
ITR1203DT50A/TB	229
ITR1205ST11A/TR	229
ITR20001/T	227
ITR20002	227
ITR20005-F	234
ITR20402	234

ITR20403	234
ITR20501	228
ITR20510/TR8	228
ITR8010	229
ITR8102	230
ITR8104	230
ITR8105	231
ITR8307	225
ITR8307/F43	225
ITR8307/L24	225

ITR8307/L24/F43	225
ITR8307/L24/TR8	226
ITR8307/TR8	226
ITR8402-F-A	231
ITR9606-F	231
ITR9608-F	232
ITR9702-F	232
ITR9707	232
ITR9809-F/T	233
ITR9813	233

ITR9904	226
ITR9908	226
ITR9909	227
MCT2E	248
PD12-206B/L512/TR8	184
PD12-21B/L458/TR8	184
PD15-21B/TR8	184
PD15-22C/L1/TR8	185
PD204-6B	181
PD204-6C/L3	181

PD333-3B/H0/L2	182
PD333-3C/H0/L2	181
PD42-21B/TR8	185
PD42-21C/TR8	185
PD438B/L1	183
PD438B/S46	183
PD438C	183
PD438C/S46	183
PD5443-3B/L2	182
PD60-48C/TR8	186

PD438B	183
PD638B	183
PD70-01B/TR10	186
PD70-01B/TR7	185
PD70-01C/TR10	186
PD70-01C/TR7	185
PD95-21B/TR10	186
PLR135	208
PLR135/T	211
PLR135/T1	211

PLR135/T2	211
PLR135/T8	212
PLR135/T9	212
PLR137	208
PLR155	208
PLR162	209
PLR162M	209
PLR233	209
PLR237	208
PLR253	210

PLR262	210
PLT132	212
PLT133	213
PLT133/T	215
PLT133/T1	215
PLT133/T10W	216
PLT133/T2	215
PLT133/T8B	216
PLT133/T9	216
PLT137	213

PLT232/L5	214
PLT237	213
PLT262	213
PLT262M	214
PLT272/L5	214
PT11-21C/L41/TR8	191
PT12-21B/TR8	191
PT12-21C/TR8	191
PT1504-6B	189
PT15-21B/TR8	191

PT15-21C/TR8	191
PT17-21B/L41/TR8	192
PT17-21C/L41/TR8	192
PT19-21B/L41/TR8	192
PT19-21C/L41/TR8	192
PT204-6B	187
PT204-6C	187
PT2559B/L2/H2-F	190
PT2559B/L2-F	190
PT26-21B/TR8	192

PT26-21C/TR8	192
PT26-51B/TR8	193
PT26-71B/TR8	193
PT333-3B	188
PT333-3C	187
PT334-6B	188
PT334-6C	188
PT42-21B/TR8	193
PT534-6B	189
PT5529B/L2/H2-F	190

PT5529B/L2-F	190
PT67-21B/C14/TR8	193
PT67-21C/L41/TR8	194
PT908-7B-F	189
PT908-7C-F	189
PT91-21B	194
PT91-21B/TR10	194
PT91-21B/TR7	194
PT91-21B/TR9	194
PT91-21C	194

ALPHANUMERIC INDEX

INFRARED LED, SENSORS, COUPLERS

PT91-21C/TR10	194
PT91-21C/TR7	194
PT928-6B-F	190
PT928-6C-F	190
PT968-8C	190
RLA-38R16	206
RM-3636M(A)	195
RM-3656M(A)	195
SIR12-21C/TR8	173
SIR19-21C/TR8	174
SIR19-315/TR8	174
SIR204-A	166
SIR204C	166
SIR234	166
SIR323-5	167
SIR333-A	167
SIR383C	167
SIR67-21C/TR8	177
TIL111	248
TIL113	236
TIL117	248

CONDITIONS OF RoHS

From July 1st, 2006, RoHS requires that all electrical equipment should not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) or poly brominated diphenyl ethers (PBDEs), and the elements are restricted to certain amount (such as mercury in a wound lighting tube <5 mg, lead in CRT glass, soldering tin, etc.). Before the date every member of European Union must obey of environment on chemical regulation.



- According to RoHS part, the norm of restrict and limit used substance adopted by EVERLIGHT.

Name	Description	Criteria
Cadmium	Cadmium and its compounds must not be present in parts, components, materials or products. Cadmium and its compounds must not used as stabilizers, coloring agent or as a surface coating treatment in parts, components, materials or products.	< 5 ppm (Plastics) < 75 ppm (Metals)
Lead restrictions	Lead and/or lead compounds shall not be present in hardware components or parts, however, except solder, electrical components and interconnect materials. Lead carbonates and sulfates must not be used in any paint applied to parts, component, or products.	< 100 ppm (Plastics) < 1000 ppm (Others)
Mercury restrictions	Mercury must not be contained in any part, material, components or product, including, but not limited to switches, relays or electrical contacts. This restriction does not apply to lamps with less than 10 mg if mercury.	< 5 ppm
Hexavalent chromium (chromium VI) and hexavalent chromium compounds	Hexavalent chromium (chromium VI) and hexavalent chromium compounds must not be present in parts, components, materials or products.	< 2 ppm
Polybrominated Biphenyls (PBBs)	Plastics parts, components, materials and products must not contain Polybrominated Biphenyls as flame retardants, specific PBBs, but are not limited to those listed in attachment item.	< 5 ppm
Polybrominated Diphenyl Ethers (PBDEs)	Plastic parts, components, materials and products must not contain Polybrominated Biphenyl Ethers, known as flame retardants, specific PBBEs, including, but are not limited to, those listed in attachment item.	< 5 ppm

Compliant with the following condition :

- Please visit EVERLIGHT website for more updated information about third party test reports and RoHS declarations.
(www.everlight.com)

APPLICATION NOTICE

Since we are continuously improving all of our products, the information listed in this Catalogue, which includes specifications, characteristics, data, materials used, structure, etc., are subject to change without prior notice. It is necessary that you request the newest specification sheet from EVERLIGHT when you place any inquiry or purchase order.

Please carefully read the specification sheet, and confirm your acceptance of the content. EVERLIGHT does not accept any liabilities for damages occurred due to the customer's lack of confirming the newest product specification.

It is important to strictly follow the maximum limit and other important instructions listed on the specifications sheet when using EVERLIGHT's products. The following is a list of special notes for products used in specific applications. It is recommended that customers read the instructions carefully before installing the products. Again, EVERLIGHT does not accept any liabilities for any improper use of EVERLIGHT's product or failure to follow the instructions listed herein:

Special Instruction:

1. Products listed in this Catalogue are designed primarily for the application listed below:
A : Calculators
B : Measurement equipment
C : AV machines
D : QA machines
E : Operating machines
F : Consumer electronics
G : Telecommunications

While products meet the application listed above, additional attention is required when products are to be utilized in the instruments listed under Special Instruction Notes 2 and 3.

2. When high reliability and safety concerns are required, it is very important that the design be made to focus on safety and long term reliability. Special care should be given to assure that EVERLIGHT's products integrate and function properly with all other parts of the instrument. Instruments fall into these categories include:

A : Instruments attached to transportation tools
(aircraft, train, automobile)
B : Traffic signs
C : Gas leaking detectors and gas shutters
D : Fire detectors
E : Other safety detectors

3. When extremely high reliability and safety concerns are required, it is necessary that you contact EVERLIGHT for additional information before use. Instruments fall into these categories include:

A : Aerospace instruments
B : Telecommunication tools (main line)
C : Nuclear weapon controls
D : Medical instruments

4. Should you have any additional questions, please contact EVERLIGHT for details.

本資料所記載之製品的規格、特性、DATA、使用原料、構造...等，有時為了改良製品，無法事前通知，而逕行與予變更。因此請務必使用最新的規格書，並請針對內容加以確認。若因未確認規格書，導致使用次製品之機器或其他應用產品發生瑕疵時，敝公司將不負此責任。

使用本資料所記載之製品時，請遵守規格書所記載之絕對最大定格，使用上之注意事項，以及下列之注意點，若因不遵守規格書所記載之絕對最大定格，使用上之注意事項，以及下述之注意點，而導致發生損害問題時，敝公司將不負此責任。

注意項目：

1. 本資料所記載之製品，原則上是為了下述之用途而製造出來的產品
A: 電算機
B: OA機器
C: 通信機器
D: 計測機器
E: 工作機器
F: AV機器
G: 家電製品

若雖合乎上述用途，但是屬於下述2或3所記載之機器時，則需遵守個別產品之使用注意事項。

2. 若本資料所記載之製品用於下述講求高信賴性與安全性之用途時，因牽涉到機能與精度方面，為了維持這類機器的信賴性與安全性，請務必注重安全設計與長期性設計，並且需考慮整體機構間的關係，依機器整體之安全設計來使用。
A: 運送機器(飛機、火車、汽車)與控制安全性等相關之產品
B: 交通信號機
C: 瓦斯漏氣檢測關閉機
D: 防災裝置
E: 各種安全裝置
3. 若本資料所記載之製品用於下述講求高信賴性與安全性之用途時，因牽涉到機能與精度方面，請事先與敝公司聯絡。
A: 太空機器(航太儀器)
B: 通信機器(幹線)
C: 原子彈控制機器
D: 醫療機器
4. 涉及上述注意事項之任何一項時，如有疑問，請和敝公司業務人員聯絡。

TECHNICAL DATA

HIGH POWER LED (SHUEN 炫, SHWO 燦, SHWO (D) 燦 (D), SHWO (N) 燦 (N), HV, JU 炬, XUAN 煊, A22, B05)

CIE BINNING RANKS

Cool-White Bin Coordinates

5000K				
Bin	50K-1	50K-2	50K-3	50K-4
CIE X	0.346	0.338	0.337	0.345
	0.345	0.337	0.337	0.344
	0.353	0.345	0.344	0.352
	0.355	0.346	0.345	0.353
CIE Y	0.369	0.362	0.349	0.356
	0.356	0.349	0.337	0.343
	0.362	0.356	0.343	0.349
	0.376	0.369	0.356	0.362

5700K				
Bin	57K-1	57K-2	57K-3	57K-4
CIE X	0.329	0.321	0.321	0.329
	0.329	0.321	0.322	0.329
	0.337	0.329	0.329	0.337
	0.338	0.329	0.329	0.337
CIE Y	0.354	0.346	0.335	0.342
	0.342	0.335	0.324	0.331
	0.349	0.342	0.331	0.337
	0.362	0.354	0.342	0.349

6500K				
Bin	65K-1	65K-2	65K-3	65K-4
CIE X	0.312	0.303	0.305	0.313
	0.313	0.305	0.307	0.315
	0.321	0.313	0.315	0.322
	0.321	0.312	0.313	0.321
CIE Y	0.339	0.330	0.321	0.329
	0.329	0.321	0.311	0.319
	0.337	0.329	0.319	0.326
	0.348	0.339	0.329	0.337

Warm-White Bin Coordinates

2700K				
Bin	27K-1	27K-2	27K-3	27K-4
CIE X	0.469	0.456	0.447	0.459
	0.459	0.447	0.437	0.448
	0.470	0.459	0.448	0.459
	0.481	0.469	0.459	0.470
CIE Y	0.429	0.426	0.408	0.410
	0.410	0.408	0.389	0.392
	0.413	0.410	0.392	0.394
	0.432	0.429	0.410	0.413

3000K				
Bin	30K-1	30K-2	30K-3	30K-4
CIE X	0.443	0.430	0.422	0.435
	0.435	0.422	0.415	0.426
	0.447	0.435	0.426	0.437
	0.456	0.443	0.435	0.447
CIE Y	0.421	0.417	0.399	0.403
	0.403	0.399	0.381	0.385
	0.408	0.403	0.385	0.389
	0.426	0.421	0.403	0.408

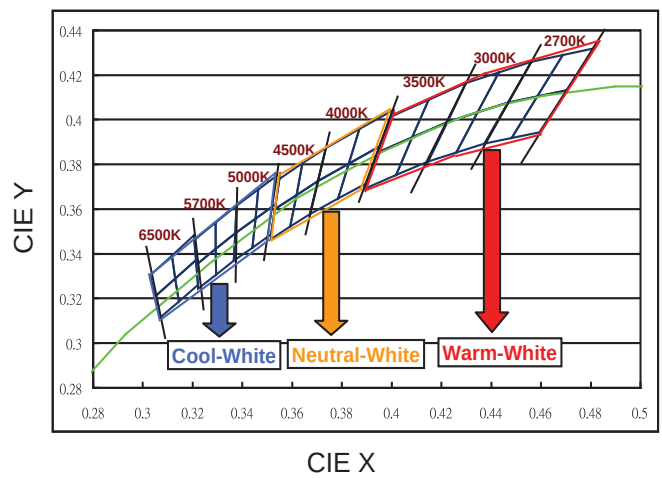
3500K				
Bin	35K-1	35K-2	35K-3	35K-4
CIE X	0.415	0.400	0.394	0.408
	0.408	0.394	0.389	0.402
	0.422	0.408	0.402	0.415
	0.430	0.415	0.408	0.422
CIE Y	0.409	0.402	0.385	0.392
	0.392	0.385	0.369	0.375
	0.399	0.392	0.375	0.381
	0.417	0.409	0.392	0.399

Natural-White Bin Coordinates

4000K				
Bin	40K-1	40K-2	40K-3	40K-4
CIE X	0.387	0.374	0.370	0.383
	0.383	0.370	0.367	0.378
	0.395	0.383	0.378	0.390
	0.401	0.387	0.383	0.395
CIE Y	0.396	0.387	0.373	0.380
	0.380	0.373	0.358	0.365
	0.388	0.380	0.365	0.372
	0.404	0.396	0.380	0.388

4500K				
Bin	45K-1	45K-2	45K-3	45K-4
CIE X	0.364	0.355	0.353	0.362
	0.362	0.353	0.351	0.359
	0.370	0.362	0.359	0.367
	0.374	0.364	0.362	0.370
CIE Y	0.381	0.374	0.360	0.366
	0.366	0.360	0.347	0.352
	0.373	0.366	0.352	0.358
	0.387	0.381	0.366	0.373

White Color Bin Structure



TECHNICAL DATA

HIGH POWER LED (SHUEN 炫, SHWO 燦, SHWO (D) 燦(D),SHWO (N) 燦(N), HV, JU 炬, XUAN 煊, A22, B05)

BRIGHTNESS BINNING RANKS

Shuen, Shwo, Shwo (D), HV

Shuen, Shwo

Ju, XUAN

Brightness (lm)

Wavelength (nm)

Brightness (lm)

Luminous Flux Bins

Luminous Flux Bins

Group	Binning	Minimum Photometric Flux (lm)	Maximum Photometric Flux (lm)	Group	Binning	Minimum Dominant Wavelength (nm)	Maximum Dominant Wavelength (nm)	Group	Binning	Minimum Photometric Flux (lm)	Maximum Photometric Flux (lm)	Group	Binning	Minimum Photometric Flux (lm)	Maximum Photometric Flux (lm)
E	1	4	5	B Blue/Royal-Blue	1	430	435	F	1	27	33	S	1	2200	2400
	2	5	6		2	435	440		2	33	39		2	2400	2600
	3	6	8		3	440	445		3	39	45		3	2600	2800
	4	8	10		4	445	450		4	45	52		4	2800	3000
	5	10	13		5	450	455		5	52	60		5	3000	3200
	6	13	17		6	455	460		6	60	70		6	3200	3400
	7	17	20		7	460	465		7	70	80		7	3400	3600
	8	20	23		8	465	470		8	80	90		8	3600	3800
	9	23	27		1	520	525		9	90	100		9	3800	4000
F	1	27	33	G Green	2	525	530	J	1	100	110	M	1	4000	4200
	2	33	39		3	530	535		2	110	120		2	4200	4400
	3	39	45		4	535	540		3	120	130		3	4400	4600
	4	45	52		5	540	545		4	130	140		4	4600	4800
	5	52	60		6	545	550		5	140	150		5	4800	5000
	6	60	70		1	580	582.5		6	150	160		6	5000	5200
	7	70	80	2	582.5	585	7		160	180	7		5200	5400	
	8	80	90	3	585	587.5	8		180	200	8		5400	5600	
	9	90	100	4	587.5	590	9		200	225	9		5600	5800	
J	1	100	110	A Amber	5	590	592.5	K	1	225	250	Q	1	5800	6000
	2	110	120		6	592.5	595		2	250	275		2	6000	6200
	3	120	130		3	610	615		3	275	300		3	6200	6400
	4	130	140	4	615	620	4		300	325	4		6400	6600	
	5	140	150	5	620	625	5		325	350	5		6600	6800	
	6	150	160	6	625	630	6		350	375	6		6800	7000	
	7	160	180	7	630	635	7		375	400	7		7000	7200	
	8	180	200	1	635	640	8		400	425	8		7200	7400	
	9	200	225	2	640	645	9		425	450	9		7400	7600	
K	1	225	250	D Deep-Red	3	645	650	N	1	450	475				
	2	250	275		4	650	655		2	475	500				
	3	275	300		5	655	660		3	500	550				
	4	300	325		6	660	665		4	550	600				
	5	325	350		7	665	670		5	600	650				
	6	350	375		8	670	675		6	650	700				
	7	375	400		1	700	710		7	700	750				
	8	400	425		2	710	715		8	750	800				
	9	425	450	3	715	720	9		800	900					
N	1	450	475	F Far-Red	4	720	725	P	1	900	1000				
	2	475	500		5	725	730		2	1000	1100				
	3	500	525		6	730	735		3	1100	1200				
	4	525	550		7	735	740		4	1200	1350				
					8	740	745		5	1350	1500				
							6		1500	1650					
							7		1650	1800					
							8		1800	2000					
							9		2000	2200					

HIGH POWER LED (SHUEN炫, SHWO爍, SHWO(D)爍(D), SHWO(N)爍(N),A22 , B05)

BRIGHTNESS BINNING RANKS

A22, B05

Brightness (lm)

Luminous Flux Bins

Group	Binning	Minimum Photometric Flux (lm)	Maximum Photometric Flux (lm)
E	1	1.5	3
	2	3	4
	3	4	5
	4	5	6
	5	6	8
F	1	8	10
	2	10	13
	3	13	17
	4	17	20
	5	20	23
J	1	23	27
	2	27	33
	3	33	39
	4	39	45
	5	45	52
K	1	52	60
	2	60	70
	31	70	75
	32	75	80
	33	80	85
	41	85	90
	42	90	95
	43	95	100
	51	100	110
	52	110	120
	53	120	130
N	11	130	140
	12	140	150
	13	150	160
	21	160	180
	22	180	200
	31	200	225
	32	225	250
	41	250	275
	42	275	300
	51	300	350
	52	350	400
R	11	400	450
	12	450	500
	21	500	550
	22	550	600
	31	600	650
	32	650	700
	33	700	750
	4	750	1000
	5	1000	1300

Shuen & Shwo

Forward Voltage Bins

Group Name	Bins	
A	U1+U2+U3	
B	U2+U3+U4	
C	V1+V2+V3	
D	V2+V3+V4	
E	V3+V4+V5	
F	V1+V2	
G	V1	
Bin	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
U1	1.75	2.05
U2	2.05	2.35
U3	2.35	2.65
U4	2.65	2.95
V1	2.95	3.25
V2	3.25	3.55
V3	3.55	3.85
V4	3.85	4.15
V5	4.15	4.45

A22 (1W)

Forward Voltage Bins

Bin	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
VD	13.5	14.7
VE	14.7	15.9
VF	VF-1	15.9
	VF-2	16.2
	VF-3	16.5
	VF-4	16.8
VG	VG-1	16.8
	VG-2	17.1
	VG-3	17.4
	VG-4	17.7

Shwo (D)

Forward Voltage Bins

Group Name	Bins	
A	U1+U2+U3+U4	
B	U2+U3+U4+V1	
C	V1+V2+V3	
D	V1+V2+V3+V4	
Bin	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
U1	1.75	2.05
U2	2.05	2.35
U3	2.35	2.65
U4	2.65	2.95
V1	2.95	3.25
V2	3.25	3.55
V3	3.55	3.85
V4	3.85	4.15

A22 (0.5W)

Forward Voltage Bins

Bin	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
V1	2.95	3.25
V2	3.25	3.55
V3	3.55	3.85
V4	3.85	4.15

B05

Forward Voltage Bins

Bin	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
O1	4.5	5.0
O2	5.0	5.5
O3	5.5	6.0
O4	6.0	6.5
O5	6.5	7.0
O6	7.0	7.5
O7	7.5	8.0
R1	8.0	9.0
R2	9.0	10.0
R3	10.0	11.0
R4	11.0	12.0

TECHNICAL DATA

HIGH POWER LED (HV, JU SERIES) FORWARD VOLTAGE BINNING RANKS

HV (1W)

Forward Voltage Bins For 110V

Group Name	Bins
A	A3+A4
B	A4+A5
C	A5+A6
D	A3+A4+A5
E	A4+A5+A6
F	A3+A4+A5+A6

Bin	Production Line	
	Minimum Voltage (V)	Maximum Voltage (V)
A1	43	45
A2	45	47
A3	47	49
A4	49	51
A5	51	53
A6	53	55
A7	55	57
A8	57	59
A9	59	61

HV (2W)

Forward Voltage Bins For 110V

Group Name	Bins
A	B3+B4
B	B4+B5
C	B5+B6
D	B3+B4+B5
E	B4+B5+B6
F	B3+B4+B5+B6

Bin	Production Line	
	Minimum Voltage (V)	Maximum Voltage (V)
B1	87	91
B2	91	95
B3	95	99
B4	99	103
B5	103	107
B6	107	111
B7	111	115
B8	115	119
B9	119	123

Ju (1215, 2024)

Forward Voltage Bins

Group	Binning	Minimum Forward Voltage(V)	Maximum Forward Voltage(V)
R	R1	9	10
	R2	10	11
	R3	11	12
	R4	12	13
	R5	13	14
	R6	14	15
	R7	15	16
	R8	16	17
	R9	17	18
T	T1	18	19
	T2	19	20
	T3	20	21
	T4	21	22
	T5	22	23
	T6	23	24
	T7	24	25
	T8	25	26
	T9	26	27
W	W1	27	29
	W2	29	31
	W3	31	33
	W4	33	35
	W5	35	37
	W6	37	39
	W7	39	41
	W8	41	43
	W9	43	45
X	X1	45	47
	X2	47	50
	X3	50	53
	X4	53	56
	X5	56	59
	X6	59	63
	X7	63	67
	X8	67	71
	X9	71	75
Y	Y1	75	79
	Y2	79	83
	Y3	83	88
	Y4	88	93
	Y5	93	98
	Y6	98	103
	Y7	103	108
	Y8	108	113

For Lighting Application Only

LOW MIDDLE POWER LED - SMD TYPE CIE BINNING RANKS

Cool-White Bin Coordinates

5000K						
Bin	A	B	C	D	F	G
CIE X	0.3551	0.3464	0.3371	0.3533	0.3487	0.3482
	0.3464	0.3376	0.3366	0.3482	0.3425	0.3422
	0.3456	0.3371	0.3441	0.3477	0.3422	0.3418
	0.3487	0.3422	0.3448	0.3448	0.3482	0.3477
	0.3482	0.3425	0.3418	0.3441	--	--
CIE Y	0.3533	0.3456	0.3422	0.3515	--	--
	0.3760	0.3688	0.3493	0.3624	0.3629	0.3583
	0.3688	0.3616	0.3369	0.3583	0.3579	0.3533
	0.3604	0.3493	0.3428	0.3530	0.3533	0.3483
	0.3629	0.3533	0.3507	0.3507	0.3583	0.3530
	0.3583	0.3579	0.3483	0.3428	--	--
	0.3624	0.3604	0.3533	0.3487	--	--

5700K						
Bin	A	B	C	D	F	G
CIE X	0.3376	0.3292	0.3215	0.3371	0.3321	0.3321
	0.3292	0.3207	0.3222	0.3321	0.3261	0.3262
	0.3292	0.3215	0.3294	0.3320	0.3262	0.3263
	0.3321	0.3262	0.3293	0.3321	0.3320	0.3320
	0.3321	0.3261	0.3263	0.3294	--	--
	0.3371	0.3292	0.3262	0.3366	--	--
CIE Y	0.3616	0.3539	0.3353	0.3493	0.3490	0.3447
	0.3539	0.3462	0.3243	0.3447	0.3436	0.3395
	0.3464	0.3353	0.3306	0.3401	0.3395	0.3350
	0.3490	0.3395	0.3377	0.3377	0.3447	0.3401
	0.3447	0.3436	0.3350	0.3306	--	--
	0.3493	0.3464	0.3395	0.3369	--	--

6500K						
Bin	A	B	C	D	F	G
CIE X	0.3205	0.3117	0.3048	0.3213	0.3157	0.3161
	0.3117	0.3028	0.3068	0.3161	0.3093	0.3100
	0.3125	0.3048	0.3145	0.3166	0.3100	0.3106
	0.3157	0.3100	0.3136	0.3136	0.3161	0.3166
	0.3161	0.3093	0.3106	0.3145	--	--
	0.3213	0.3125	0.3100	0.3221	--	--
CIE Y	0.3481	0.3393	0.3209	0.3371	0.3360	0.3320
	0.3393	0.3304	0.3113	0.3320	0.3297	0.3259
	0.3328	0.3209	0.3187	0.3281	0.3259	0.3222
	0.3360	0.3259	0.3251	0.3251	0.3320	0.3281
	0.3320	0.3297	0.3222	0.3187	--	--
	0.3371	0.3328	0.3259	0.3261	--	--

Natural-White Bin Coordinates

4000K						
Bin	A	B	C	D	F	G
CIE X	0.4006	0.3871	0.3703	0.3952	0.3890	0.3873
	0.3871	0.3736	0.3670	0.3873	0.3793	0.3779
	0.3843	0.3703	0.3784	0.3854	0.3779	0.3764
	0.3890	0.3779	0.3810	0.3810	0.3873	0.3854
	0.3873	0.3793	0.3764	0.3784	--	--
CIE Y	0.3952	0.3843	0.3779	0.3898	--	--
	0.4044	0.3959	0.3726	0.3880	0.3887	0.3831
	0.3959	0.3874	0.3578	0.3831	0.3828	0.3773
	0.3858	0.3726	0.3647	0.3768	0.3773	0.3713
	0.3887	0.3773	0.3741	0.3741	0.3831	0.3768
	0.3831	0.3828	0.3713	0.3647	--	--
	0.3880	0.3858	0.3773	0.3716	--	--

4500K						
Bin	A	B	C	D	F	G
CIE X	0.3736	0.3642	0.3530	0.3703	0.3658	0.3648
	0.3642	0.3548	0.3512	0.3648	0.3592	0.3584
	0.3626	0.3530	0.3591	0.3637	0.3584	0.3575
	0.3658	0.3584	0.3607	0.3607	0.3648	0.3637
	0.3648	0.3592	0.3575	0.3591	--	--
	0.3703	0.3626	0.3584	0.3670	--	--
CIE Y	0.3874	0.3805	0.3601	0.3726	0.3738	0.3686
	0.3805	0.3736	0.3465	0.3686	0.3689	0.3640
	0.3714	0.3601	0.3522	0.3630	0.3640	0.3585
	0.3738	0.3640	0.3608	0.3608	0.3686	0.3630
	0.3686	0.3689	0.3585	0.3522	--	--
	0.3726	0.3714	0.3640	0.3578	--	--

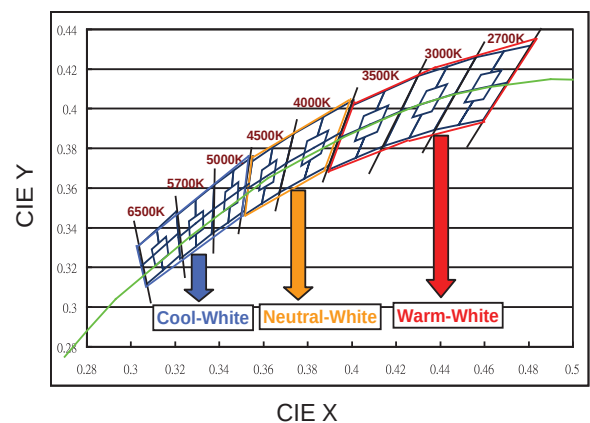
Warm-White Bin Coordinates

2700K						
Bin	A	B	C	D	F	G
CIE X	0.4813	0.4687	0.4465	0.4700	0.4667	0.4627
	0.4687	0.4562	0.4373	0.4627	0.4576	0.4539
	0.4621	0.4465	0.4483	0.4588	0.4539	0.4502
	0.4667	0.4539	0.4544	0.4544	0.4627	0.4588
	0.4627	0.4576	0.4502	0.4483	--	--
CIE Y	0.4700	0.4621	0.4539	0.4593	--	--
	0.4319	0.4289	0.4071	0.4126	0.4180	0.4109
	0.4289	0.4260	0.3893	0.4109	0.4158	0.4088
	0.4169	0.4071	0.3919	0.4041	0.4088	0.4020
	0.4180	0.4088	0.4030	0.4030	0.4109	0.4041
	0.4109	0.4158	0.4020	0.3919	--	--
	0.4126	0.4169	0.4088	0.3944	--	--

3000K						
Bin	A	B	C	D	F	G
CIE X	0.4562	0.4430	0.4221	0.4465	0.4422	0.4388
	0.4430	0.4299	0.4147	0.4388	0.4328	0.4297
	0.4375	0.4221	0.4259	0.4355	0.4297	0.4267
	0.4422	0.4297	0.4311	0.4311	0.4388	0.4355
	0.4388	0.4328	0.4267	0.4259	--	--
	0.4465	0.4375	0.4297	0.4373	--	--
CIE Y	0.4260	0.4212	0.3984	0.4071	0.4113	0.4043
	0.4212	0.4165	0.3814	0.4043	0.4079	0.4011
	0.4096	0.3984	0.3853	0.3977	0.4011	0.3946
	0.4113	0.4011	0.3962	0.3962	0.4043	0.3977
	0.4043	0.4079	0.3946	0.3853	--	--
	0.4071	0.4096	0.4011	0.3893	--	--

3500K						
Bin	A	B	C	D	F	G
CIE X	0.4299	0.4148	0.3943	0.4221	0.4159	0.4134
	0.4148	0.3996	0.3889	0.4134	0.4051	0.4029
	0.4106	0.3943	0.4018	0.4108	0.4029	0.4006
	0.4159	0.4029	0.4057	0.4057	0.4134	0.4108
	0.4134	0.4051	0.4006	0.4018	--	--
	0.4221	0.4106	0.4029	0.4147	--	--
CIE Y	0.4165	0.4090	0.3853	0.3984	0.4007	0.3943
	0.4090	0.4015	0.3690	0.3943	0.3954	0.3893
	0.3981	0.3853	0.3752	0.3878	0.3893	0.3829
	0.4007	0.3893	0.3853	0.3853	0.3943	0.3878
	0.3943	0.3954	0.3829	0.3752	--	--
	0.3984	0.3981	0.3893	0.3814	--	--

■ White Color Bin Structure



Chromaticity specification defined by ANSI

TECHNICAL DATA

For Lighting Application Only

LOW MIDDLE POWER LED - SURFACE MOUNT PLCC TYPE LED BRIGHTNESS BINNING RANKS

Luminous Flux Bins

Unit : lm

Bin code	Range	
	Min.	Max.
D1	0.5	1.0
D2	1.0	1.5
D3	1.5	2.0
D4	2.0	2.5
D5	2.5	3.0
D6	3.0	3.5
D7	3.5	4.0
D8	4.0	4.5
D9	4.5	5.0
BA	5.0	5.5
B1	5.5	6.0
B2	6.0	6.5
B3	6.5	7.0
B4	7.0	7.5
B5	7.5	8.0
B6	8.0	8.5
B7	8.5	9.0
B8	9.0	9.5
B9	9.5	10.0
L1	10.0	11.0
L2	11.0	12.0
L3	12.0	13.0
L4	13.0	14.0
L5	14.0	15.0
L6	15.0	16.0
L7	16.0	17.0
L8	17.0	18.0
L9	18.0	19.0
M3	19.0	21.0
M4	21.0	24.0
N3	24.0	27.0
N4	27.0	33.0
P3	33.0	39.0
P4	39.0	45.0
Q3	45.0	52.0
NB	32.0	36.0
PA	36.0	40.0
PB	40.0	45.0
QA	45.0	50.0
R1	50.0	55.0
R2	55.0	60.0
R3	60.0	65.0
R4	65.0	70.0
R5	70.0	76.0
R6	76.0	83.0
R7	83.0	90.0
R8	90.0	100.0
S1	100.0	110.0
S2	110.0	120.0
S3	120.0	130.0

VF Group Bin Code

Unit : V

Forward Voltage Group		Bin	Min.	Max.
B2	B42	35	2.80	2.90
		36	2.90	3.00
		37	3.00	3.10
		38	3.10	3.20
		39	3.20	3.30
		40	3.30	3.40
		41	3.40	3.50
		42	3.50	3.60

SMD LED : SURFACE MOUNT CHIP LED (PCB TYPE)
BRIGHTNESS BIN SELECTION

Luminous Intensity Groups

Unit : mcd

	C0: 0.28 ... 0.45	Q ▶	Q1: 72.0 ... 90.0
	D0: 0.45 ... 0.70		Q2: 90.0 ... 112
	E0: 0.70 ... 1.1	R ▶	R1: 112 ... 140
	F0: 1.1 ... 1.8		R2: 140 ... 180
	G0: 1.8 ... 2.8	S ▶	S1: 180 ... 225
	H0: 2.8 ... 4.5		S2: 225 ... 285
	J0: 4.5 ... 7.2	T ▶	T1: 285 ... 360
	K0: 7.2 ... 11.5		T2: 360 ... 450
L ▶	L1: 11.5 ... 14.5	U ▶	U1: 450 ... 565
	L2: 14.5 ... 18.0		U2: 565 ... 715
M ▶	M1: 18.0 ... 22.5		V0: 715 ... 1120
	M2: 22.5 ... 28.5		W0: 1120 ... 1800
N ▶	N1: 28.5 ... 36.0		X0: 1800 ... 2850
	N2: 36.0 ... 45.0		Y0: 2850 ... 4500
P ▶	P1: 45.0 ... 57.0		
	P2: 57.0 ... 72.0		

Note: The luminous intensity data did not include ±15% testing tolerance.

V_F (Forward Voltage Spec. Setup)

Unit : V

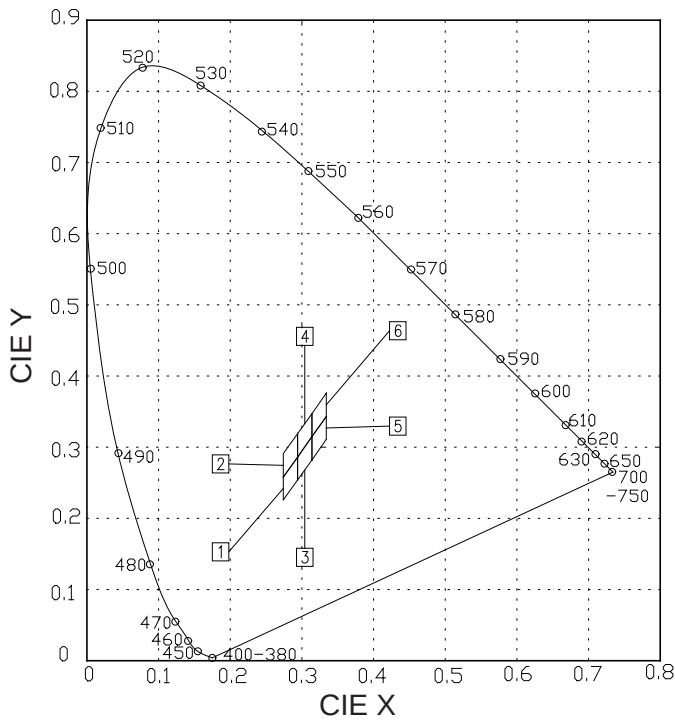
Forward Voltage Groups		Bin	Min.	Max.
A	00	00	1.55	1.75
		0	1.75	1.95
		1	1.95	2.15
		2	2.15	2.35
B	01	3	2.35	2.55
		4	2.55	2.75
		5	2.75	3.05
		6	3.05	3.35
C	02	7	3.35	3.65
		8	3.65	3.95
		9	3.95	4.25
		10	4.25	4.55
D	03	11	4.55	4.85
		12	4.85	5.15
		13	5.15	5.45
		14	5.45	5.75
E	04	15	5.75	6.05
		16	6.05	6.35
		17	6.35	6.65
		18	6.65	6.95
F	05	19	6.95	7.25
		20	7.25	7.55
		21	7.55	7.85
		22	7.85	8.15
G	06	23	8.15	8.45
		24	8.45	8.75
		25	8.75	9.05
		26	9.05	9.35
H	07	27	9.35	9.65
		28	9.65	9.95
		29	9.95	10.25
		30	10.25	10.55
I	08	31	10.55	10.85
		32	10.85	11.15
		33	11.15	11.45
		34	11.45	11.75
J	09	35	11.75	12.05
		36	12.05	12.35
		37	12.35	12.65
		38	12.65	12.95
K	10	39	12.95	13.25
		40	13.25	13.55
		41	13.55	13.85
		42	13.85	14.15
L	11	43	14.15	14.45
		44	14.45	14.75
		45	14.75	15.05
		46	15.05	15.35
M	12	47	15.35	15.65
		48	15.65	15.95
		49	15.95	16.25
		50	16.25	16.55
N	13	51	16.55	16.85
		52	16.85	17.15
		53	17.15	17.45
		54	17.45	17.75
O	14	55	17.75	18.05
		56	18.05	18.35
		57	18.35	18.65
		58	18.65	18.95
P	15	59	18.95	19.25
		60	19.25	19.55
		61	19.55	19.85
		62	19.85	20.15
Q	16	63	20.15	20.45
		64	20.45	20.75
		65	20.75	21.05
		66	21.05	21.35
R	17	67	21.35	21.65
		68	21.65	21.95
		69	21.95	22.25
		70	22.25	22.55
S	18	71	22.55	22.85
		72	22.85	23.15
		73	23.15	23.45
		74	23.45	23.75
T	19	75	23.75	24.05
		76	24.05	24.35
		77	24.35	24.65
		78	24.65	24.95
U	20	79	24.95	25.25
		80	25.25	25.55
		81	25.55	25.85
		82	25.85	26.15
V	21	83	26.15	26.45
		84	26.45	26.75
		85	26.75	27.05
		86	27.05	27.35
W	22	87	27.35	27.65
		88	27.65	27.95
		89	27.95	28.25
		90	28.25	28.55
X	23	91	28.55	28.85
		92	28.85	29.15
		93	29.15	29.45
		94	29.45	29.75
Y	24	95	29.75	30.05
		96	30.05	30.35
		97	30.35	30.65
		98	30.65	30.95
Z	25	99	30.95	31.25
		100	31.25	31.55
		101	31.55	31.85
		102	31.85	32.15

Note: The forward voltage data did not include ±0.1V testing tolerance.

Bin Coordinate

Group	Bin Code	CIE X	CIE Y
A	1	0.274	0.226
		0.274	0.258
		0.294	0.286
	2	0.294	0.254
		0.274	0.258
		0.274	0.291
	3	0.294	0.319
		0.294	0.286
		0.294	0.254
	4	0.294	0.286
		0.314	0.315
		0.314	0.282
	5	0.294	0.286
		0.294	0.319
		0.314	0.347
	6	0.314	0.315
		0.314	0.282
		0.314	0.315
	7	0.334	0.343
		0.334	0.311
		0.314	0.315
	8	0.314	0.347
		0.334	0.376
		0.334	0.343

Bin Structure (White Light)



TECHNICAL DATA

For Lighting Application Only

SMD LED : SURFACE MOUNT PLCC LED (REFLECTOR) / LOW POWER LED
BRIGHTNESS BIN SELECTION

Luminous Intensity Groups

Unit : mcd

Bin Code	Min.	Max.	Bin Code	Min.	Max.
D1	0.5	1.0	NB	32.0	36.0
D2	1.0	1.5	PA	36.0	40.0
D3	1.5	2.0	PB	40.0	45.0
D4	2.0	2.5	QA	45.0	50.0
D5	2.5	3.0	R1	50.0	55.0
D6	3.0	3.5	R2	55.0	60.0
D7	3.5	4.0	R3	60.0	65.0
D8	4.0	4.5	R4	65.0	70.0
D9	4.5	5.0	R5	70.0	76.0
BA	5.0	5.5	R6	76.0	83.0
B1	5.5	6.0	R7	83.0	90.0
B2	6.0	6.5	R8	90.0	100.0
B3	6.5	7.0	S1	100.0	110.0
B4	7.0	7.5	S2	110.0	120.0
B5	7.5	8.0	S3	120.0	130.0
B6	8.0	8.5	S4	130.0	140.0
B7	8.5	9.0	S5	140.0	150.0
B8	9.0	9.5	S6	150.0	160.0
B9	9.5	10.0	S7	160.0	170.0
L1	10.0	11.0	S8	170.0	180.0
L2	11.0	12.0	T1	180.0	190.0
L3	12.0	13.0	T2	190.0	200.0
L4	13.0	14.0	T3	200.0	220.0
L5	14.0	15.0	T4	220.0	240.0
L6	15.0	16.0	T5	240.0	260.0
L7	16.0	17.0	T6	260.0	280.0
L8	17.0	18.0	T7	280.0	300.0
L9	18.0	19.0	T8	300.0	320.0
M3	19.0	21.0			
M4	21.0	24.0			
N3	24.0	27.0			
N4	27.0	33.0			
P3	33.0	39.0			
P4	39.0	45.0			
Q3	45.0	52.0			

V_F (Forward Voltage Spec. Setup)

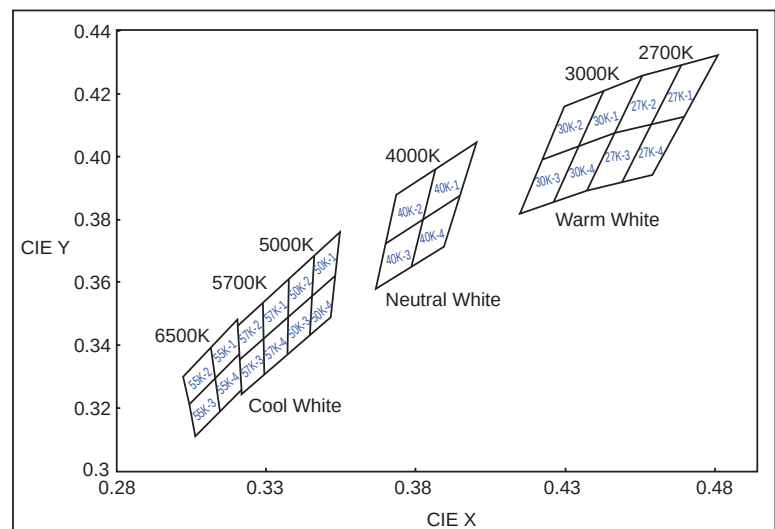
Unit : V (I_F=150mA)

Bin Group	Bin Code	Min.	Max.
B42	35	2.8	2.9
	36	2.9	3.0
	37	3.0	3.1
	38	3.1	3.2
	39	3.2	3.3
	40	3.3	3.4
	41	3.4	3.5
	42	3.5	3.6

Table of Color Rendering Index

Symbol	Description
M	CRI(Min.) : 60
N	CRI(Min.) : 65
L	CRI(Min.) : 70
Q	CRI(Min.) : 75
K	CRI(Min.) : 80
P	CRI(Min.) : 85
H	CRI(Min.) : 90

Bin Structure



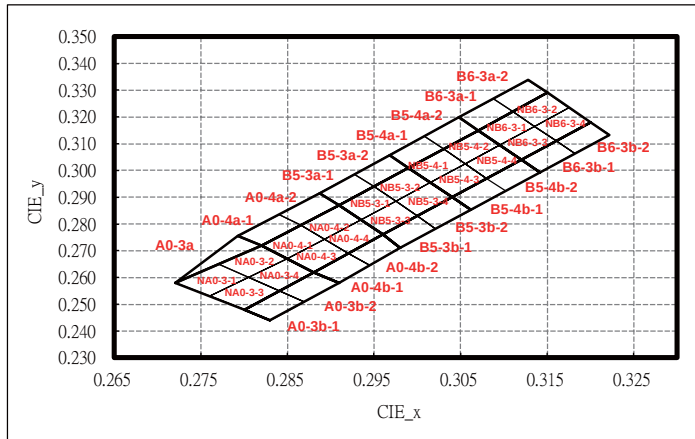
Bin Coordinate

CCT	Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y
6500K	65K-1	0.3205	0.3481	65K-3	0.3131	0.3290
		0.3117	0.3393		0.3048	0.3209
		0.3131	0.3290		0.3068	0.3113
		0.3213	0.3371		0.3145	0.3187
	65K-2	0.3117	0.3393	65K-4	0.3213	0.3371
		0.3028	0.3304		0.3131	0.3290
		0.3048	0.3209		0.3145	0.3187
		0.3131	0.3290		0.3221	0.3261
5700K	57K-1	0.3376	0.3616	57K-3	0.3293	0.3423
		0.3292	0.3539		0.3215	0.3353
		0.3293	0.3423		0.3222	0.3243
		0.3371	0.3493		0.3294	0.3306
	57K-2	0.3292	0.3539	57K-4	0.3371	0.3493
		0.3207	0.3462		0.3293	0.3423
		0.3215	0.3353		0.3294	0.3306
		0.3293	0.3423		0.3366	0.3369
5000K	50K-1	0.3551	0.3760	50K-3	0.3452	0.3558
		0.3464	0.3688		0.3371	0.3493
		0.3452	0.3558		0.3366	0.3369
		0.3533	0.3624		0.3441	0.3428
	50K-2	0.3464	0.3688	50K-4	0.3533	0.3624
		0.3376	0.3616		0.3452	0.3558
		0.3371	0.3493		0.3441	0.3428
		0.3452	0.3558		0.3515	0.3487
4000K	40K-1	0.4006	0.4044	40K-3	0.3828	0.3803
		0.3871	0.3959		0.3703	0.3726
		0.3828	0.3803		0.3670	0.3578
		0.3952	0.3880		0.3784	0.3647
	40K-2	0.3871	0.3959	40K-4	0.3952	0.3880
		0.3736	0.3874		0.3828	0.3803
		0.3703	0.3726		0.3784	0.3647
		0.3828	0.3803		0.3898	0.3716
3000K	30K-1	0.4562	0.4260	30K-3	0.4345	0.4033
		0.4431	0.4213		0.4223	0.3990
		0.4345	0.4033		0.4147	0.3814
		0.4468	0.4077		0.4260	0.3854
	30K-2	0.4431	0.4213	30K-4	0.4468	0.4077
		0.4299	0.4165		0.4345	0.4033
		0.4223	0.3990		0.4260	0.3854
		0.4345	0.4033		0.4373	0.3893
2700K	27K-1	0.4813	0.4319	27K-3	0.4585	0.4104
		0.4688	0.4290		0.4468	0.4077
		0.4585	0.4104		0.4373	0.3893
		0.4703	0.4132		0.4483	0.3919
	27K-2	0.4688	0.4290	27K-4	0.4703	0.4132
		0.4562	0.4260		0.4585	0.4104
		0.4468	0.4077		0.4483	0.3919
			0.4104			0.3944

TECHNICAL DATA

SMD LED (99-616, 99-826, 45-21, 50-215 SERIES)
BRIGHTNESS BIN SELECTION

Chromaticity Diagram



Bin Code of Chromaticity Coordinates

Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y		
NA0-3-1	0.2760	0.2530	NA0-3-2	0.2805	0.2600	NA0-4-1	0.2850	0.2670	NA0-4-2	0.2893	0.2743		
	0.2720	0.2580		0.2770	0.2650		0.2820	0.2720		0.2865	0.2795	0.2865	0.2795
	0.2770	0.2650		0.2820	0.2720		0.2865	0.2795		0.2910	0.2870		
	0.2805	0.2600		0.2850	0.2670		0.2893	0.2743		0.2935	0.2815		
NA0-3-3	0.2800	0.2480	NA0-3-4	0.2840	0.2550	NA0-4-3	0.2880	0.2620	NA0-4-4	0.2920	0.2690		
	0.2760	0.2530		0.2805	0.2600		0.2850	0.2670		0.2893	0.2743	0.2893	0.2743
	0.2805	0.2600		0.2850	0.2670		0.2893	0.2743		0.2935	0.2815		
	0.2840	0.2550		0.2880	0.2620		0.2920	0.2690		0.2960	0.2760		
A0-3b-1	0.2830	0.2440	A0-3b-2	0.2870	0.2510	A0-4b-1	0.2910	0.2580	A0-4b-2	0.2945	0.2645		
	0.2800	0.2480		0.2840	0.2550		0.2880	0.2620		0.2920	0.2690	0.2920	0.2690
	0.2840	0.2550		0.2880	0.2620		0.2920	0.2690		0.2960	0.2760		
	0.2870	0.2510		0.2910	0.2580		0.2945	0.2645		0.2980	0.2710		
A0-4a-1	0.2820	0.2720	A0-4a-2	0.2865	0.2795	B5-3a-1	0.2910	0.2870	B5-3a-2	0.2950	0.2940		
	0.2793	0.2755		0.2840	0.2836		0.2887	0.2916		0.2928	0.2987	0.2928	0.2987
	0.2840	0.2836		0.2887	0.2916		0.2928	0.2987		0.2968	0.3058		
	0.2865	0.2795		0.2910	0.2870		0.2950	0.2940		0.2990	0.3010		
A0-3a	0.2720	0.2580				NB5-3-1	0.2935	0.2815	NB5-3-2	0.2975	0.2885		
	0.2793	0.2755					0.2910	0.2870		0.2950	0.2940	0.2950	0.2940
	0.2820	0.2720					0.2950	0.2940		0.2990	0.3010	0.2990	0.3010
	0.2720	0.2580					0.2975	0.2885		0.3015	0.2955		
Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y	Bin Code	CIE_x	CIE_y		
NB5-3-3	0.2960	0.2760	NB5-3-4	0.3000	0.2830	B5-4b-1	0.3062	0.2853	B5-4b-2	0.3102	0.2923		
	0.2935	0.2815		0.2975	0.2885		0.3040	0.2900		0.3080	0.2970		
	0.2975	0.2885		0.3015	0.2955		0.3080	0.2970		0.3120	0.3040		
	0.3000	0.2830		0.3040	0.2900		0.3102	0.2923		0.3142	0.2993		
B5-3b-1	0.2980	0.2710	B5-3b-2	0.3021	0.2782	B6-3a-1	0.3070	0.3150	B6-3a-2	0.3110	0.3220		
	0.2960	0.2760		0.3000	0.2830		0.3048	0.3198		0.3088	0.3268		
	0.3000	0.2830		0.3040	0.2900		0.3088	0.3268		0.3128	0.3338		
	0.3021	0.2782		0.3062	0.2853		0.3110	0.3220		0.3150	0.3290		
B5-4a-1	0.2990	0.3010	B5-4a-2	0.3030	0.3080	NB6-3-1	0.3095	0.3095	NB6-3-2	0.3135	0.3165		
	0.2968	0.3058		0.3008	0.3128		0.3070	0.3150		0.3110	0.3220	0.3110	0.3220
	0.3008	0.3128		0.3048	0.3198		0.3110	0.3220		0.3150	0.3290		
	0.3030	0.3080		0.3070	0.3150		0.3135	0.3165		0.3175	0.3235		
NB5-4-1	0.3015	0.2955	NB5-4-2	0.3055	0.3025	NB6-3-3	0.3120	0.3040	NB6-3-4	0.3160	0.3110		
	0.2990	0.3010		0.3030	0.3080		0.3095	0.3095		0.3135	0.3165	0.3135	0.3165
	0.3030	0.3080		0.3070	0.3150		0.3135	0.3165		0.3175	0.3235		
	0.3055	0.3025		0.3095	0.3095		0.3160	0.3110		0.3200	0.3180		
NB5-4-3	0.3040	0.2900	NB5-4-4	0.3080	0.2970	B6-3b-1	0.3142	0.2993	B6-3b-2	0.3182	0.3063		
	0.3015	0.2955		0.3055	0.3025		0.3120	0.3040		0.3160	0.3110	0.3160	0.3110
	0.3055	0.3025		0.3095	0.3095		0.3160	0.3110		0.3200	0.3180		
	0.3080	0.2970		0.3120	0.3040		0.3182	0.3063		0.3222	0.3133		

Luminous Intensity Groups

Unit : mcd

Bin	Min.	Max.	Bin	Min.	Max.	Bin	Min.	Max.
01	500	600	23	1250	1300	45	2500	2600
02	600	630	24	1300	1350	46	2600	2700
03	630	660	25	1350	1400	47	2700	2800
04	660	690	26	1400	1450	48	2800	2900
05	690	720	27	1450	1500	49	2900	3000
06	720	750	28	1500	1550	50	3000	3100
07	750	780	29	1550	1600	51	3100	3200
08	780	810	30	1600	1650			
09	810	840	31	1650	1700			
10	840	870	32	1700	1750			
11	870	900	33	1750	1800			
12	900	930	34	1800	1850			
13	930	960	35	1850	1900	H42	2200	2250
14	960	990	36	1900	1950	H43	2250	2300
15	990	1020	37	1950	2000	H44	2300	2350
16	1020	1050	38	2000	2050	H45	2350	2400
17	1050	1080	39	2050	2100	H46	2400	2450
18	1080	1110	40	2100	2150	H47	2450	2500
19	1110	1140	41	2150	2200	H48	2500	2550
20	1140	1170	42	2200	2300	H49	2550	2600
21	1170	1200	43	2300	2400	H50	2600	2650
22	1200	1250	44	2400	2500	H51	2650	2700

Note: Tolerance of Luminous Intensity: $\pm 7\%$.

Luminous Flux

Unit : lm

Bin	Min.	Max.
40	4.00	4.25
42	4.25	4.50
45	4.50	4.75
47	4.75	5.00
50	5.00	5.25
52	5.25	5.50
55	5.50	5.75
57	5.75	6.00
60	6.00	6.25
62	6.25	6.50
65	6.50	6.75
67	6.75	7.00
70	7.00	7.25
72	7.25	7.50
75	7.50	7.75
77	7.75	8.00
80	8.00	8.25
82	8.25	8.50

V_F (Forward Voltage Spec. Setup)

Unit : V

Groups										Bin	Min.	Max.	Groups		Bin	Min.	Max.	Groups	Bin	Min.	Max.							
0	1					6	7	8	D	P	6-1	2.95	3.05	A	G	6-1-1	2.95	3.00	9	6-11	3.00	3.05						
											6-2	3.05	3.15			6-1-2	3.00	3.05		6-2	3.05	3.15						
		2	3	4	5						7-1	7-2	8-1			8-2	7-1-1	7-1-2		8-1	8-11							
											9-1	3.55	3.65			7-2-1	3.25	3.30										
											9-2	3.65	3.75			7-2-2	3.30	3.35										
																		8-1-1		3.35	3.40							
																		8-1-2		3.40	3.45							

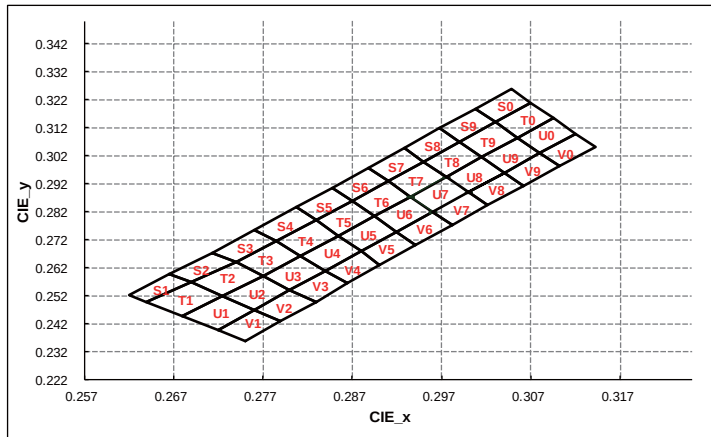
Groups													Bin	Min.	Max.	
W	S												Y	4-2-3	2.7	2.8
														5-1-3	2.8	2.9
														5-2-3	2.9	3.0
		R	L	N	B	C	K	H	E	Q	F	6-1-3		3.0	3.1	
												6-2-3		3.1	3.2	
												7-1-3	3.2	3.3		
													7-2-3	3.3	3.4	
														8-1-3	3.4	3.5

Note: Tolerance of Forward Voltage: $\pm 0.05V$.

TECHNICAL DATA

SMD LED (99-713 SERIES) BRIGHTNESS BIN SELECTION

Chromaticity Diagram



Bin Code of Chromaticity Coordinates

Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
S1	0.2665	0.2600	S2	0.2713	0.2675	S3	0.2740	0.2640	S4	0.2785	0.2715	S5	0.2830	0.2790
	0.2690	0.2570		0.2740	0.2640		0.2713	0.2675		0.2760	0.2756		0.2807	0.2836
	0.2640	0.2500		0.2690	0.2570		0.2760	0.2756		0.2807	0.2836		0.2848	0.2907
	0.2620	0.2525		0.2665	0.2600		0.2785	0.2715		0.2830	0.2790		0.2870	0.2860
T1	0.2680	0.2450	T2	0.2725	0.2520	T3	0.2770	0.2590	T4	0.2813	0.2663	T5	0.2855	0.2735
	0.2640	0.2500		0.2690	0.2570		0.2740	0.2640		0.2785	0.2715		0.2830	0.2790
	0.2690	0.2570		0.2740	0.2640		0.2785	0.2715		0.2830	0.2790		0.2870	0.2860
	0.2725	0.2520		0.2770	0.2590		0.2813	0.2663		0.2855	0.2735		0.2895	0.2805
U1	0.2720	0.2400	U2	0.2760	0.2470	U3	0.2800	0.2540	U4	0.2840	0.2610	U5	0.2880	0.2680
	0.2680	0.2450		0.2725	0.2520		0.2770	0.2590		0.2813	0.2663		0.2855	0.2735
	0.2725	0.2520		0.2770	0.2590		0.2813	0.2663		0.2855	0.2735		0.2895	0.2805
	0.2760	0.2470		0.2800	0.2540		0.2840	0.2610		0.2880	0.2680		0.2920	0.2750
V1	0.2750	0.2360	V2	0.2790	0.2430	V3	0.2830	0.2500	V4	0.2865	0.2565	V5	0.2900	0.2630
	0.2720	0.2400		0.2760	0.2470		0.2800	0.2540		0.2840	0.2610		0.2880	0.2680
	0.2760	0.2470		0.2800	0.2540		0.2840	0.2610		0.2880	0.2680		0.2920	0.2750
	0.2790	0.2430		0.2830	0.2500		0.2865	0.2565		0.2900	0.2630		0.2941	0.2702
Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
S6	0.2870	0.2860	S7	0.2910	0.2930	S8	0.2950	0.3000	S9	0.2990	0.3070	S0	0.3030	0.3140
	0.2848	0.2907		0.2888	0.2978		0.2928	0.3048		0.2968	0.3118		0.3008	0.3188
	0.2888	0.2978		0.2928	0.3048		0.2968	0.3118		0.3008	0.3188		0.3048	0.3258
	0.2910	0.2930		0.2950	0.3000		0.2990	0.3070		0.3030	0.3140		0.3070	0.3210
T6	0.2895	0.2805	T7	0.2935	0.2875	T8	0.2975	0.2945	T9	0.3015	0.3015	T0	0.3055	0.3085
	0.2870	0.2860		0.2910	0.2930		0.2950	0.3000		0.2990	0.3070		0.3030	0.3140
	0.2910	0.2930		0.2950	0.3000		0.2990	0.3070		0.3030	0.3140		0.3070	0.3210
	0.2935	0.2875		0.2975	0.2945		0.3015	0.3015		0.3055	0.3085		0.3095	0.3155
U6	0.2920	0.2750	U7	0.2960	0.2820	U8	0.3000	0.2890	U9	0.3040	0.2960	U0	0.3080	0.3030
	0.2895	0.2805		0.2935	0.2875		0.2975	0.2945		0.3015	0.3015		0.3055	0.3085
	0.2935	0.2875		0.2975	0.2945		0.3015	0.3015		0.3055	0.3085		0.3095	0.3155
	0.2960	0.2820		0.3000	0.2890		0.3040	0.2960		0.3080	0.3030		0.3120	0.3100
V6	0.2941	0.2702	V7	0.2982	0.2773	V8	0.3000	0.2890	V9	0.3062	0.2913	V0	0.3102	0.2983
	0.2920	0.2750		0.2960	0.2820		0.3040	0.2960		0.3040	0.2960		0.3080	0.3030
	0.2960	0.2820		0.3000	0.2890		0.3062	0.2913		0.3080	0.3030		0.3120	0.3100
	0.2982	0.2773		0.3022	0.2843		0.3022	0.2843		0.3102	0.2983		0.3142	0.3053

Luminous Intensity Groups

Unit : mcd

Bin	Min.	Max.	Bin	Min.	Max.	Bin	Min.	Max.
01	500	600	1	0	50	45	0	100
02	600	630	2	50	100	46	100	200
03	630	660	3	100	150	47	200	300
04	660	690	4	150	200	48	300	400
05	690	720	5	200	250	49	400	500
06	720	750	28	250	300	50	500	600
07	750	780	29	300	350	51	600	700
08	780	810	30	350	400	52	700	800
09	810	840	31	400	450	H40	2100	2150
10	840	870	32	450	500	H41	2150	2200
11	870	900	33	500	550	H42	2200	2250
12	900	930	34	550	600	H43	2250	2300
13	930	960	35	600	650	H44	2300	2350
14	960	990	36	650	700	H45	2350	2400
15	990	1020	37	700	750	H46	2400	2450
16	1020	1050	38	750	800	H47	2450	2500
17	1050	1080	39	800	850	H48	2500	2550
18	1080	1110	40	850	900	H49	2550	2600
19	1110	1140	41	900	950	H50	2600	2650
20	1140	1170	42	950	1050	H51	2650	2700
21	1170	1200	43	1050	1150	H52	2700	2750

Note: Tolerance of Luminous Intensity: $\pm 7\%$.

Luminous Flux

Unit : lm

Bin	Min.	Max.
40	4.00	4.25
42	4.25	4.50
45	4.50	4.75
47	4.75	5.00
50	5.00	5.25
52	5.25	5.50
55	5.50	5.75
57	5.75	6.00
60	6.00	6.25
62	6.25	6.50
65	6.50	6.75
67	6.75	7.00
70	7.00	7.25
72	7.25	7.50
75	7.50	7.75
77	7.75	8.00
80	8.00	8.25
82	8.25	8.50

V_F (Forward Voltage Spec. Setup)

Unit : V

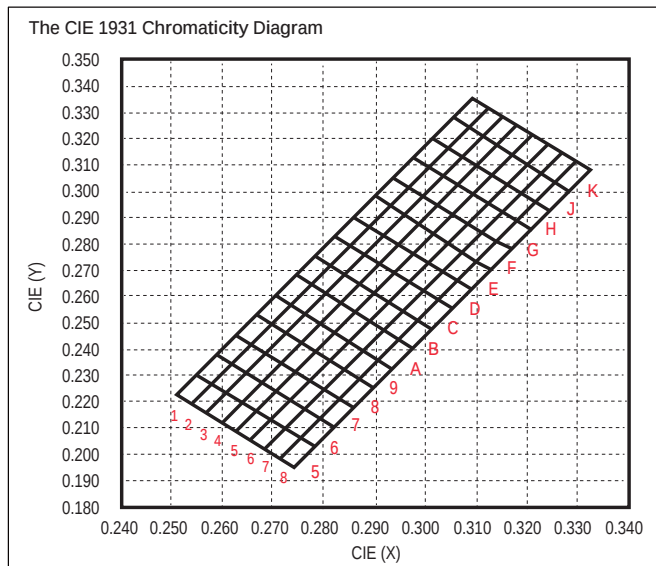
Bin	Min.	Max.
A	2.70	2.75
B	2.75	2.80
C	2.80	2.85
D	2.85	2.90
E	2.90	2.95
F	2.95	3.00
G	3.00	3.05
H	3.05	3.10
I	3.10	3.15
J	3.15	3.20
K	3.20	3.25
L	3.25	3.30
M	3.30	3.35
N	3.35	3.40
O	3.40	3.45
P	3.45	3.50
Q	3.50	3.55
R	3.55	3.60
S	3.60	3.65
T	3.65	3.70
U	3.70	3.75
V	3.75	3.80

Note: Tolerance of Forward Voltage: $\pm 0.05V$.

TECHNICAL DATA

SMD LED (50-315 SERIES) BRIGHTNESS BIN SELECTION

Chromaticity Diagram



Bin Code of Chromaticity Coordinates

Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
A1	0.2731	0.2569	B1	0.2770	0.2644	C1	0.2809	0.2719
	0.2702	0.2603		0.2741	0.2678		0.2780	0.2753
	0.2741	0.2678		0.2780	0.2753		0.2819	0.2828
	0.2770	0.2644		0.2809	0.2719		0.2848	0.2794
A2	0.2760	0.2535	B2	0.2799	0.2610	C2	0.2838	0.2685
	0.2731	0.2569		0.2770	0.2644		0.2809	0.2719
	0.2770	0.2644		0.2809	0.2719		0.2848	0.2794
	0.2799	0.2610		0.2838	0.2685		0.2877	0.2760
A3	0.2789	0.2501	B3	0.2828	0.2576	C3	0.2867	0.2651
	0.2760	0.2535		0.2799	0.2610		0.2838	0.2685
	0.2799	0.2610		0.2838	0.2685		0.2877	0.2760
	0.2828	0.2576		0.2867	0.2651		0.2906	0.2726
A4	0.2818	0.2467	B4	0.2856	0.2539	C4	0.2895	0.2614
	0.2789	0.2501		0.2828	0.2576		0.2867	0.2651
	0.2828	0.2576		0.2867	0.2651		0.2906	0.2726
	0.2856	0.2539		0.2895	0.2614		0.2934	0.2689
A5	0.2847	0.2433	B5	0.2885	0.2505	C5	0.2924	0.2580
	0.2818	0.2467		0.2856	0.2539		0.2895	0.2614
	0.2856	0.2539		0.2895	0.2614		0.2934	0.2689
	0.2885	0.2505		0.2924	0.2580		0.2963	0.2655
A6	0.2876	0.2399	B6	0.2915	0.2474	C6	0.2954	0.2549
	0.2847	0.2433		0.2885	0.2505		0.2924	0.2580
	0.2885	0.2505		0.2924	0.2580		0.2963	0.2655
	0.2915	0.2474		0.2954	0.2549		0.2992	0.2621
A7	0.2905	0.2365	B7	0.2944	0.2440	C7	0.2983	0.2515
	0.2876	0.2399		0.2915	0.2474		0.2954	0.2549
	0.2915	0.2474		0.2954	0.2549		0.2992	0.2621
	0.2944	0.2440		0.2983	0.2515		0.3021	0.2587
A8	0.2934	0.2331	B8	0.2973	0.2406	C8	0.3012	0.2481
	0.2905	0.2365		0.2944	0.2440		0.2983	0.2515
	0.2944	0.2440		0.2983	0.2515		0.3021	0.2587
	0.2973	0.2406		0.3012	0.2481		0.3051	0.2556

Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
D1	0.2848	0.2794	E1	0.2887	0.2869	F1	0.2926	0.2944	G1	0.2965	0.3019	H1	0.3004	0.3094	J1	0.3043	0.3169
	0.2819	0.2828		0.2858	0.2903		0.2897	0.2978		0.2936	0.3053		0.2975	0.3128		0.3014	0.3203
	0.2858	0.2903		0.2897	0.2978		0.2936	0.3053		0.2975	0.3128		0.3014	0.3203		0.3053	0.3278
	0.2887	0.2869		0.2926	0.2944		0.2965	0.3019		0.3004	0.3094		0.3043	0.3169		0.3082	0.3244
D2	0.2877	0.2760	E2	0.2916	0.2835	F2	0.2955	0.2910	G2	0.2994	0.2985	H2	0.3033	0.3060	J2	0.3072	0.3135
	0.2848	0.2794		0.2887	0.2869		0.2926	0.2944		0.2965	0.3019		0.3004	0.3094		0.3043	0.3169
	0.2887	0.2869		0.2926	0.2944		0.2965	0.3019		0.3004	0.3094		0.3043	0.3169		0.3082	0.3244
	0.2916	0.2835		0.2955	0.2910		0.2994	0.2985		0.3033	0.3060		0.3072	0.3135		0.3111	0.3210
D3	0.2906	0.2726	E3	0.2945	0.2801	F3	0.2984	0.2876	G3	0.3023	0.2951	H3	0.3062	0.3026	J3	0.3101	0.3101
	0.2877	0.2760		0.2916	0.2835		0.2955	0.2910		0.2994	0.2985		0.3033	0.3060		0.3072	0.3135
	0.2916	0.2835		0.2955	0.2910		0.2994	0.2985		0.3033	0.3060		0.3072	0.3135		0.3111	0.3210
	0.2945	0.2801		0.2984	0.2876		0.3023	0.2951		0.3062	0.3026		0.3101	0.3101		0.3140	0.3176
D4	0.2934	0.2689	E4	0.2973	0.2764	F4	0.3012	0.2839	G4	0.3051	0.2914	H4	0.3090	0.2989	J4	0.3129	0.3064
	0.2906	0.2726		0.2945	0.2801		0.2984	0.2876		0.3023	0.2951		0.3062	0.3026		0.3101	0.3101
	0.2945	0.2801		0.2984	0.2876		0.3023	0.2951		0.3062	0.3026		0.3101	0.3101		0.3140	0.3176
	0.2973	0.2764		0.3012	0.2839		0.3051	0.2914		0.3090	0.2989		0.3129	0.3064		0.3168	0.3139
D5	0.2963	0.2655	E5	0.3002	0.2730	F5	0.3041	0.2805	G5	0.3080	0.2880	H5	0.3119	0.2955	J5	0.3158	0.3030
	0.2934	0.2689		0.2973	0.2764		0.3012	0.2839		0.3051	0.2914		0.3090	0.2989		0.3129	0.3064
	0.2973	0.2764		0.3012	0.2839		0.3051	0.2914		0.3090	0.2989		0.3129	0.3064		0.3168	0.3139
	0.3002	0.2730		0.3041	0.2805		0.3080	0.2880		0.3119	0.2955		0.3158	0.3030		0.3197	0.3105
D6	0.2992	0.2621	E6	0.3031	0.2696	F6	0.3070	0.2771	G6	0.3109	0.2846	H6	0.3148	0.2921	J6	0.3187	0.2996
	0.2963	0.2655		0.3002	0.2730		0.3041	0.2805		0.3080	0.2880		0.3119	0.2955		0.3158	0.3030
	0.3002	0.2730		0.3041	0.2805		0.3080	0.2880		0.3119	0.2955		0.3158	0.3030		0.3197	0.3105
	0.3031	0.2696		0.3070	0.2771		0.3109	0.2846		0.3148	0.2921		0.3187	0.2996		0.3226	0.3071
D7	0.3021	0.2587	E7	0.3060	0.2662	F7	0.3099	0.2737	G7	0.3138	0.2812	H7	0.3177	0.2887	J7	0.3216	0.2962
	0.2992	0.2621		0.3031	0.2696		0.3070	0.2771		0.3109	0.2846		0.3148	0.2921		0.3187	0.2996
	0.3031	0.2696		0.3070	0.2771		0.3109	0.2846		0.3148	0.2921		0.3187	0.2996		0.3226	0.3071
	0.3060	0.2662		0.3099	0.2737		0.3138	0.2812		0.3177	0.2887		0.3216	0.2962		0.3255	0.3037
D8	0.3051	0.2556	E8	0.3090	0.2631	F8	0.3129	0.2706	G8	0.3168	0.2781	H8	0.3207	0.2856	J8	0.3246	0.2931
	0.3021	0.2587		0.3060	0.2662		0.3099	0.2737		0.3138	0.2812		0.3177	0.2887		0.3216	0.2962
	0.3060	0.2662		0.3099	0.2737		0.3138	0.2812		0.3177	0.2887		0.3216	0.2962		0.3255	0.3037
	0.3090	0.2631		0.3129	0.2706		0.3168	0.2781		0.3207	0.2856		0.3246	0.2931		0.3285	0.3006

Bin Code of Chromaticity Coordinates

Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
51	0.2507	0.2228	61	0.2575	0.2269	71	0.2585	0.2378	81	0.2653	0.2419	91	0.2692	0.2494
	0.2536	0.2194		0.2546	0.2303		0.2614	0.2344		0.2624	0.2453		0.2663	0.2528
	0.2575	0.2269		0.2585	0.2378		0.2653	0.2419		0.2663	0.2528		0.2702	0.2603
	0.2546	0.2303		0.2614	0.2344		0.2624	0.2453		0.2692	0.2494		0.2731	0.2569
52	0.2536	0.2194	62	0.2604	0.2235	72	0.2614	0.2344	82	0.2682	0.2385	92	0.2721	0.2460
	0.2565	0.2160		0.2575	0.2269		0.2643	0.2310		0.2653	0.2419		0.2692	0.2494
	0.2604	0.2235		0.2614	0.2344		0.2682	0.2385		0.2692	0.2494		0.2731	0.2569
	0.2575	0.2269		0.2643	0.2310		0.2653	0.2419		0.2721	0.2460		0.2760	0.2535
53	0.2565	0.2160	63	0.2633	0.2201	73	0.2643	0.2310	83	0.2711	0.2351	93	0.2750	0.2426
	0.2594	0.2126		0.2604	0.2235		0.2672	0.2276		0.2682	0.2385		0.2721	0.2460
	0.2633	0.2201		0.2643	0.2310		0.2711	0.2351		0.2721	0.2460		0.2760	0.2535
	0.2604	0.2235		0.2672	0.2276		0.2682	0.2385		0.2750	0.2426		0.2789	0.2501
54	0.2594	0.2126	64	0.2662	0.2167	74	0.2672	0.2276	84	0.2740	0.2317	94	0.2779	0.2392
	0.2623	0.2092		0.2633	0.2201		0.2701	0.2242		0.2711	0.2351		0.2750	0.2426
	0.2662	0.2167		0.2672	0.2276		0.2740	0.2317		0.2750	0.2426		0.2789	0.2501
	0.2633	0.2201		0.2701	0.2242		0.2711	0.2351		0.2779	0.2392		0.2818	0.2467
55	0.2623	0.2092	65	0.2691	0.2133	75	0.2701	0.2242	85	0.2769	0.2283	95	0.2808	0.2358
	0.2652	0.2058		0.2662	0.2167		0.2730	0.2208		0.2740	0.2317		0.2779	0.2392
	0.2691	0.2133		0.2701	0.2242		0.2769	0.2283		0.2779	0.2392		0.2818	0.2467
	0.2662	0.2167		0.2730	0.2208		0.2740	0.2317		0.2808	0.2358		0.2847	0.2433
56	0.2652	0.2058	66	0.2720	0.2099	76	0.2730	0.2208	86	0.2798	0.2249	96	0.2837	0.2324
	0.2681	0.2024		0.2691	0.2133		0.2759	0.2174		0.2769	0.2283		0.2808	0.2358
	0.2720	0.2099		0.2730	0.2208		0.2798	0.2249		0.2808	0.2358		0.2847	0.2433
	0.2691	0.2133		0.2759	0.2174		0.2769	0.2283		0.2837	0.2324		0.2876	0.2399
57	0.2681	0.2024	67	0.2749	0.2065	77	0.2759	0.2174	87	0.2827	0.2215	97	0.2866	0.2290
	0.2710	0.1990		0.2720	0.2099		0.2788	0.2140		0.2798	0.2249		0.2837	0.2324
	0.2749	0.2065		0.2759	0.2174		0.2827	0.2215		0.2837	0.2324		0.2876	0.2399
	0.2720	0.2099		0.2788	0.2140		0.2798	0.2249		0.2866	0.2290		0.2905	0.2365
58	0.2710	0.1990	68	0.2778	0.2031	78	0.2788	0.2140	88	0.2856	0.2181	98	0.2895	0.2256
	0.2739	0.1956		0.2749	0.2065		0.2817	0.2106		0.2827	0.2215		0.2866	0.2290
	0.2778	0.2031		0.2788	0.2140		0.2856	0.2181		0.2866	0.2290		0.2905	0.2365
	0.2749	0.2065		0.2817	0.2106		0.2827	0.2215		0.2895	0.2256		0.2934	0.2331

Luminous Flux

Unit : lm

Bin	Min.	Max.
L11	11.00	12.00
L12	12.00	13.00
L13	13.00	14.00
L14	14.00	15.00
L15	15.00	16.00
L16	16.00	17.00
L17	17.00	18.00
L18	18.00	19.00
L19	19.00	20.00
L20	20.00	21.00
L21	21.00	22.00

Note: Tolerance of Luminous Intensity: ±7%.

V_F (Forward Voltage Spec. Setup)

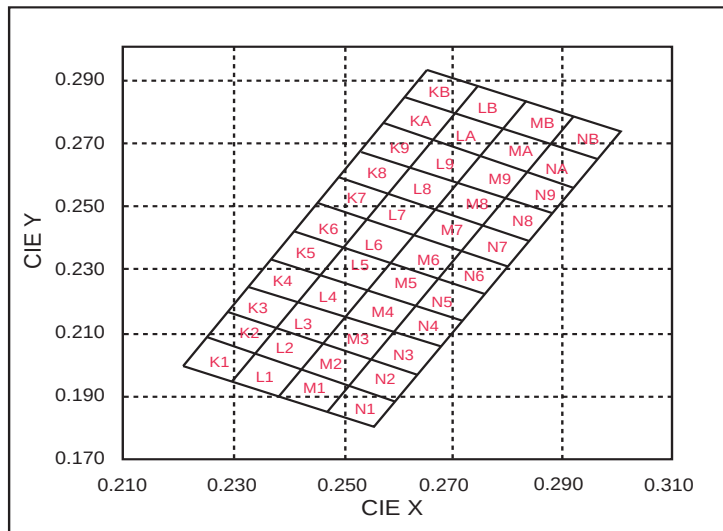
Unit : V

Groups						Bin	Min.	Max.
K	H	E	Q	F	Y	4-2-3	2.7	2.8
						5-1-3	2.8	2.9
						5-2-3	2.9	3.0
						6-1-3	3.0	3.1
						6-2-3	3.1	3.2
						7-1-3	3.2	3.3
						7-2-3	3.3	3.4

TECHNICAL DATA

SMD LED (62 SERIES) BRIGHTNESS BIN SELECTION

Chromaticity Diagram



Bin Code of Chromaticity Coordinates

Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
KY	0.2165	0.1914	KZ	0.2206	0.1998	K1	0.2247	0.2082	K2	0.2288	0.2166	K3	0.2329	0.2250	K4	0.2457	0.2287	K5	0.2410	0.2419
	0.2124	0.1829		0.2165	0.1913		0.2206	0.1997		0.2247	0.2082		0.2288	0.2166		0.2416	0.2202		0.2370	0.2335
	0.2211	0.1781		0.2252	0.1865		0.2293	0.1949		0.2334	0.2034		0.2375	0.2118		0.2329	0.2250		0.2457	0.2288
	0.2252	0.1866		0.2293	0.1950		0.2334	0.2034		0.2375	0.2118		0.2416	0.2202		0.2370	0.2335		0.2497	0.2371
LY	0.2252	0.1866	LZ	0.2293	0.1950	L1	0.2334	0.2034	L2	0.2375	0.2118	L3	0.2416	0.2202	L4	0.2544	0.2239	L5	0.2497	0.2371
	0.2211	0.1781		0.2252	0.1865		0.2293	0.1949		0.2334	0.2034		0.2375	0.2118		0.2503	0.2154		0.2457	0.2287
	0.2298	0.1733		0.2339	0.1817		0.2380	0.1901		0.2421	0.1986		0.2462	0.2070		0.2416	0.2202		0.2544	0.2239
	0.2339	0.1818		0.2380	0.1902		0.2421	0.1986		0.2462	0.2070		0.2503	0.2154		0.2457	0.2287		0.2584	0.2323
MY	0.2339	0.1818	MZ	0.2380	0.1902	M1	0.2421	0.1986	M2	0.2462	0.2070	M3	0.2503	0.2154	M4	0.2631	0.2191	M5	0.2584	0.2323
	0.2298	0.1733		0.2339	0.1817		0.2380	0.1901		0.2421	0.1986		0.2462	0.2070		0.2590	0.2106		0.2544	0.2239
	0.2385	0.1685		0.2426	0.1769		0.2467	0.1853		0.2508	0.1938		0.2549	0.2022		0.2503	0.2154		0.2631	0.2191
	0.2426	0.1770		0.2467	0.1854		0.2508	0.1938		0.2549	0.2022		0.2590	0.2106		0.2544	0.2239		0.2671	0.2275
NY	0.2426	0.1770	NZ	0.2467	0.1854	N1	0.2508	0.1938	N2	0.2549	0.2022	N3	0.2590	0.2106	N4	0.2718	0.2143	N5	0.2671	0.2275
	0.2385	0.1685		0.2426	0.1769		0.2467	0.1853		0.2508	0.1938		0.2549	0.2022		0.2677	0.2058		0.2631	0.2191
	0.2472	0.1637		0.2513	0.1721		0.2554	0.1805		0.2595	0.1890		0.2636	0.1974		0.2636	0.1974		0.2718	0.2143
	0.2513	0.1722		0.2554	0.1806		0.2595	0.1890		0.2636	0.1974		0.2677	0.2058		0.2631	0.2191		0.2758	0.2227
K6	0.2451	0.2504	K7	0.2492	0.2588	K8	0.2533	0.2672	K9	0.2574	0.2757	KA	0.2615	0.2842	KB	0.2656	0.2927	KB	0.2615	0.2842
	0.2410	0.2419		0.2451	0.2504		0.2492	0.2588		0.2533	0.2672		0.2574	0.2757		0.2615	0.2842		0.2615	0.2842
	0.2497	0.2371		0.2538	0.2456		0.2579	0.2540		0.2620	0.2624		0.2661	0.2709		0.2702	0.2794		0.2702	0.2794
	0.2538	0.2456		0.2579	0.2540		0.2620	0.2624		0.2661	0.2709		0.2702	0.2794		0.2743	0.2879		0.2743	0.2879
L6	0.2538	0.2456	L7	0.2579	0.2540	L8	0.2620	0.2624	L9	0.2661	0.2709	LA	0.2702	0.2794	LB	0.2743	0.2879	LB	0.2743	0.2879
	0.2497	0.2371		0.2538	0.2456		0.2579	0.2540		0.2620	0.2624		0.2661	0.2709		0.2702	0.2794		0.2702	0.2794
	0.2584	0.2323		0.2625	0.2408		0.2666	0.2492		0.2707	0.2576		0.2748	0.2661		0.2789	0.2746		0.2789	0.2746
	0.2625	0.2408		0.2666	0.2492		0.2707	0.2576		0.2748	0.2661		0.2789	0.2746		0.2830	0.2831		0.2830	0.2831
M6	0.2625	0.2408	M7	0.2666	0.2492	M8	0.2707	0.2576	M9	0.2748	0.2661	MA	0.2789	0.2746	MB	0.2830	0.2831	MB	0.2830	0.2831
	0.2584	0.2323		0.2625	0.2408		0.2666	0.2492		0.2707	0.2576		0.2748	0.2661		0.2789	0.2746		0.2789	0.2746
	0.2671	0.2275		0.2712	0.2360		0.2753	0.2360		0.2794	0.2528		0.2835	0.2613		0.2876	0.2698		0.2876	0.2698
	0.2712	0.2360		0.2753	0.2444		0.2794	0.2528		0.2835	0.2613		0.2876	0.2698		0.2917	0.2783		0.2917	0.2783
N6	0.2712	0.2360	N7	0.2753	0.2444	N8	0.2794	0.2528	N9	0.2835	0.2613	NA	0.2876	0.2698	NB	0.2917	0.2783	NB	0.2917	0.2783
	0.2671	0.2275		0.2712	0.2360		0.2753	0.2444		0.2794	0.2528		0.2835	0.2613		0.2876	0.2698		0.2876	0.2698
	0.2758	0.2227		0.2799	0.2312		0.2840	0.2396		0.2881	0.2480		0.2922	0.2565		0.2963	0.2650		0.2963	0.2650
	0.2799	0.2312		0.2840	0.2396		0.2881	0.2480		0.2922	0.2565		0.2963	0.2650		0.3004	0.2735		0.3004	0.2735

Luminous Flux

Unit : lm

1 lm / Bin									2 lm / Bin					
Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y	Bin	CIE_x	CIE_y
18	18	19	18	18	19	18	18	19	T18	18	20	T50	50	52
19	19	20	19	19	20	19	19	20	T20	20	22	T52	52	54
20	20	21	20	20	21	20	20	21	T22	22	24	T54	54	56
21	21	22	21	21	22	21	21	22	T24	24	26	T56	56	58
22	22	23	22	22	23	22	22	23	T26	26	28	T58	58	60
23	23	24	23	23	24	23	23	24	T28	28	30	T60	60	62
24	24	25	24	24	25	24	24	25	T30	30	32	T62	62	64
25	25	26	25	25	26	25	25	26	T32	32	34	T64	64	66
26	26	27	26	26	27	26	26	27	T34	34	36	T66	66	68
27	27	28	27	27	28	27	27	28	T36	36	38	T68	68	70
28	28	29	28	28	29	28	28	29	T38	38	40	T70	70	72
29	29	30	29	29	30	29	29	30	T40	40	42	T72	72	74
30	30	31	30	30	31	30	30	31	T42	42	44	T74	74	76
31	31	32	31	31	32	31	31	32	T44	44	46	T76	76	78
32	32	33	32	32	33	32	32	33	T46	46	48	T78	78	80
33	33	34	33	33	34	33	33	34	T48	48	50	T80	80	82

Note: Tolerance of Luminous Intensity: $\pm 7\%$.

V_F (Forward Voltage Spec. Setup)

Unit : V

Single Chip			Two Chips					
			Parallel			Serial		
Bin	Min.	Max.	Bin	Min.	Max.	Bin	Min.	Max.
A	2.9	3.0	PA	2.9	3.0	S8	5.8	6.0
B	3.0	3.1	PB	3.0	3.1	S9	6.0	6.2
C	3.1	3.2	PC	3.1	3.2	SA	6.2	6.4
D	3.2	3.3	PD	3.2	3.3	SB	6.4	6.6
E	3.3	3.4	PE	3.3	3.4	SC	6.6	6.8
F	3.4	3.5	PF	3.4	3.5	SD	6.8	7.0
G	3.5	3.6	PG	3.5	3.6	SE	7.0	7.2

Note: Tolerance of Forward Voltage: $\pm 0.05V$.

LED LAMPs
BRIGHTNESS BIN SELECTION

Brightness Bin Selection

Unit : mcd

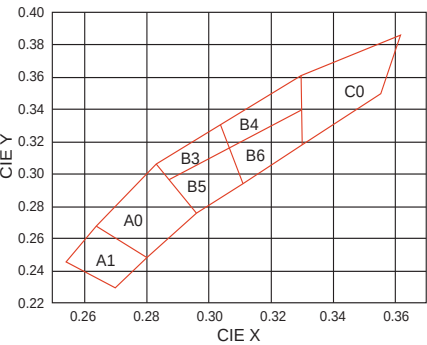
Item	Intensity Iv (mcd)	
Bin Code	Min.	Max.
a7	6.0	8.0
a6	8.0	10.0
a5	10.0	12.0
a4	12.0	15.0
a3	15.0	18.0
a2	18.0	22.0
a1	22.0	28.0
0	28.0	35.0
1	35.0	42.0
2	42.0	50.0
3	50.0	60.0
4	60.0	70.0
5	70.0	85.0
6	85.0	100
7	100	120
8	120	140
9	140	170
A	170	200
B	200	240
C	240	285
D	285	360
E	360	450
F	450	565
G	565	715
H	715	900
J	900	1,125
K	1,125	1,425
L	1,425	1,800
M	1,800	2,250
N	2,250	2,850
P	2,850	3,600
Q	3,600	4,500
R	4,500	5,650
S	5,650	7,150
T	7,150	9,000
U	9,000	11,250
V	11,250	14,250
W	14,250	18,000
X	18,000	22,500
Y	22,500	28,500
Z	28,500	36,000

Cool White / CIE Chromaticity Diagram

(If=20mA / Ta=25°C)

Color Ranks	CIE				
A1	X	0.255	0.264	0.280	0.270
	Y	0.245	0.267	0.248	0.230
A0	X	0.264	0.283	0.296	0.280
	Y	0.267	0.305	0.267	0.248
B3	X	0.283	0.304	0.307	0.287
	Y	0.305	0.330	0.315	0.295
B4	X	0.304	0.330	0.330	0.307
	Y	0.330	0.360	0.339	0.315
B5	X	0.287	0.307	0.311	0.296
	Y	0.295	0.315	0.294	0.276
B6	X	0.307	0.330	0.330	0.311
	Y	0.315	0.339	0.318	0.294
C0	X	0.330	0.361	0.355	0.330
	Y	0.360	0.385	0.350	0.318

Note: Measurement uncertainty of the color coordinates ±0.01.

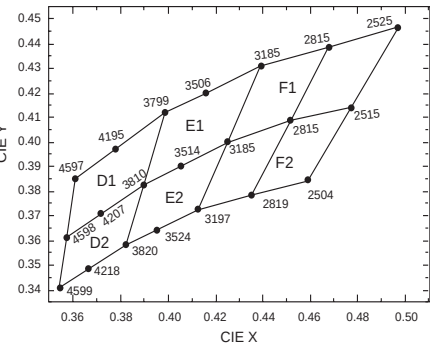


Warm White / CIE Chromaticity Diagram

(If=20mA / Ta=25°C)

Color Ranks	CIE				
D1	X	0.357	0.361	0.398	0.389
	Y	0.361	0.385	0.411	0.382
D2	X	0.354	0.357	0.389	0.382
	Y	0.340	0.361	0.382	0.358
E1	X	0.389	0.398	0.439	0.425
	Y	0.382	0.411	0.431	0.400
E2	X	0.382	0.389	0.425	0.412
	Y	0.358	0.382	0.400	0.372
F1	X	0.425	0.439	0.497	0.477
	Y	0.400	0.431	0.466	0.413
F2	X	0.412	0.425	0.477	0.458
	Y	0.372	0.400	0.413	0.383

Note: Measurement uncertainty of the color coordinates ±0.01.



DIGITAL DISPLAY
BRIGHTNESS BIN SELECTION

Bin Code	Brightness Range (μcd)	
	Min.	Max.
C	70	140
D	110	220
E	180	360
F	280	560
G	450	900
H	750	1200
J	1050	1680
K	1400	2300
L	2000	3200
M	2800	4500
N	4000	6400
P	5600	8900
Q	7800	12500
R	11000	17600
S	15000	24000
T	21000	34000
U	30000	48000
V	42000	67000
W	59000	94000
X	83000	133000
Y	116000	186000
Z	158800	254000



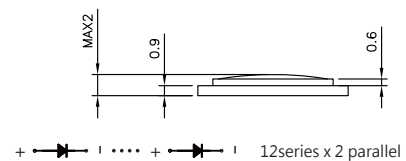
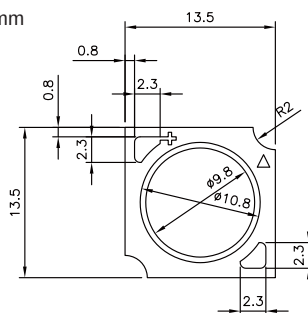
VISIBLE LED

38	HIGH POWER LED
59	LOW MIDDLE POWER LED
67	FLASH LED
72	SMD LED
113	LED LAMPs
133	LED DIGITAL DISPLAYs
150	SIGNAGE LED
156	AUTOMOTIVE LED

High Power LED ■ XUAN1313 Series (4W,6W)



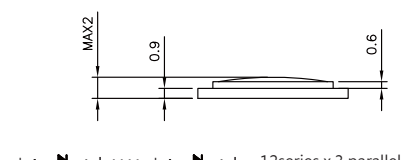
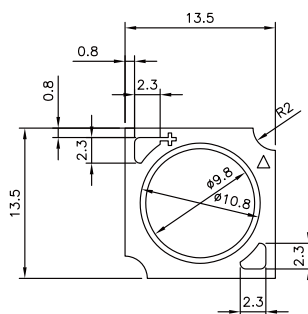
UNIT : mm



+ ——— + ——— 12series x 2 parallel

4W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1313-KM277K9-36204-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	2700K	425	510	80	119
XUAN1313-KM307N1-36204-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3000K	450	535	80	124
XUAN1313-KM357N2-36204-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3500K	475	550	80	128
XUAN1313-KM407N3-36204-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4000K	500	565	80	131
XUAN1313-KM457N3-36204-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4500K	500	575	80	134
XUAN1313-KT507N3-36204-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5000K	500	585	80	136
XUAN1313-KT577N3-36204-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5700K	500	590	80	137
XUAN1313-KT657N3-36204-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	6500K	500	590	80	137



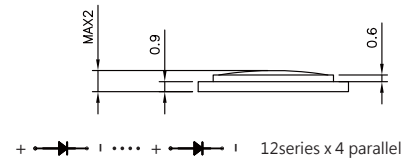
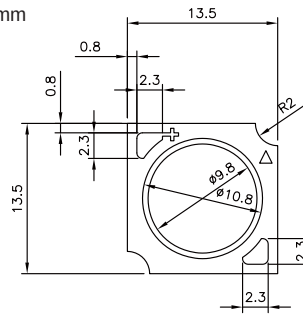
+ ——— + ——— 12series x 3 parallel

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1313-KM277N7-36306-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	2700K	700	750	80	116
XUAN1313-KM307N7-36306-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3000K	700	785	80	122
XUAN1313-KM357N8-36306-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3500K	750	805	80	125
XUAN1313-KM407N8-36306-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4000K	750	830	80	129
XUAN1313-KM457N8-36306-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4500K	750	845	80	131
XUAN1313-KT507N9-36306-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5000K	800	855	80	133
XUAN1313-KT577N9-36306-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5700K	800	880	80	136
XUAN1313-KT657N9-36306-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	6500K	800	880	80	136

High Power LED ■ XUAN1313 Series



UNIT : mm



+ ——— + ——— 12series x 4 parallel

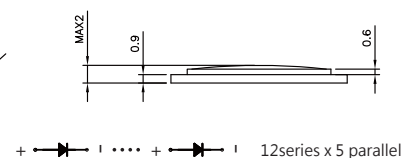
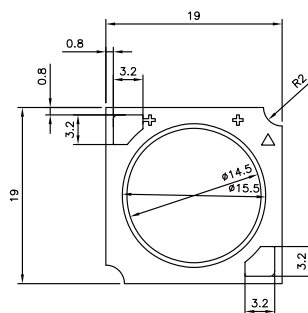
8W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1313-KM277P1-36408-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	2700K	900	985	80	114
XUAN1313-KM307P1-36408-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3000K	900	1030	80	120
XUAN1313-KM357P1-36408-390T	13.5x13.5x1.5	34.5~40.0	● Warm White	3500K	900	1060	80	123
XUAN1313-KM407P1-36408-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4000K	900	1090	80	127
XUAN1313-KM457P1-36408-390T	13.5x13.5x1.5	34.5~40.0	○ Neutral White	4500K	900	1110	80	129
XUAN1313-KT507P2-36408-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5000K	1000	1120	80	130
XUAN1313-KT577P2-36408-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	5700K	1000	1150	80	134
XUAN1313-KT657P2-36408-390T	13.5x13.5x1.5	34.5~40.0	○ Cool White	6500K	1000	1150	80	134

High Power LED ■ XUAN1919 Series



UNIT : mm



+ ——— + ——— 12series x 5 parallel

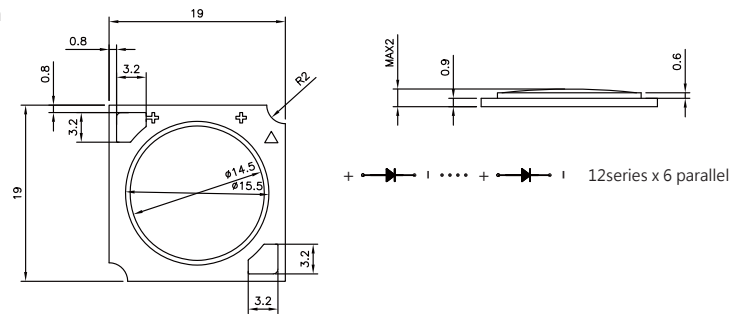
10W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1919-KM277P3-36510-3E0T	19x19x1.5	34.5~40.0	● Warm White	2700K	1100	1265	80	120
XUAN1919-KM307P3-36510-3E0T	19x19x1.5	34.5~40.0	● Warm White	3000K	1100	1330	80	124
XUAN1919-KM357P4-36510-3E0T	19x19x1.5	34.5~40.0	● Warm White	3500K	1200	1365	80	127
XUAN1919-KM407P4-36510-3E0T	19x19x1.5	34.5~40.0	○ Neutral White	4000K	1200	1405	80	131
XUAN1919-KM457P4-36510-3E0T	19x19x1.5	34.5~40.0	○ Neutral White	4500K	1200	1425	80	133
XUAN1919-KT507P4-36510-3E0T	19x19x1.5	34.5~40.0	○ Cool White	5000K	1200	1455	80	135
XUAN1919-KT577P4-36510-3E0T	19x19x1.5	34.5~40.0	○ Cool White	5700K	1200	1465	80	136
XUAN1919-KT657P4-36510-3E0T	19x19x1.5	34.5~40.0	○ Cool White	6500K	1200	1465	80	136

High Power LED



UNIT : mm



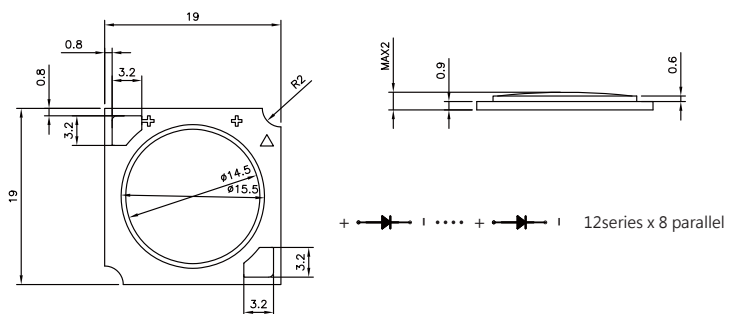
13W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1919-KM277P4-36613-3E0T	19x19x1.5	34.5~40.0	🟡 Warm White	2700K	1200	1495	80	115
XUAN1919-KM307P5-36613-3E0T	19x19x1.5	34.5~40.0	🟡 Warm White	3000K	1350	1570	80	120
XUAN1919-KM357P5-36613-3E0T	19x19x1.5	34.5~40.0	🟡 Warm White	3500K	1350	1615	80	124
XUAN1919-KM407P5-36613-3E0T	19x19x1.5	34.5~40.0	⚪ Neutral White	4000K	1350	1660	80	127
XUAN1919-KM457P6-36613-3E0T	19x19x1.5	34.5~40.0	⚪ Neutral White	4500K	1500	1685	80	130
XUAN1919-KT507P6-36613-3E0T	19x19x1.5	34.5~40.0	⚪ Cool White	5000K	1500	1715	80	131
XUAN1919-KT577P6-36613-3E0T	19x19x1.5	34.5~40.0	⚪ Cool White	5700K	1500	1730	80	132
XUAN1919-KT657P6-36613-3E0T	19x19x1.5	34.5~40.0	⚪ Cool White	6500K	1500	1730	80	132

High Power LED ■ XUAN1919 Series



UNIT : mm



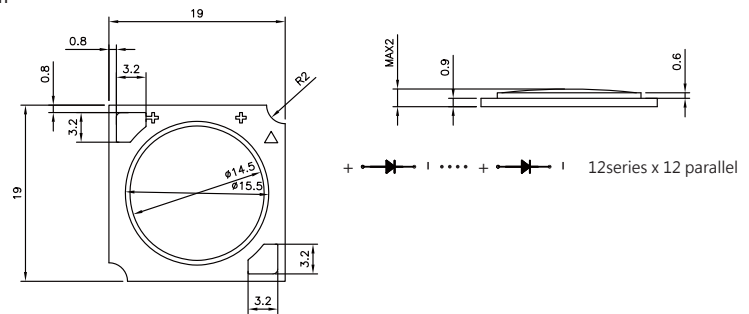
17W

Product	Power Dissipation (W)	Forward Voltage (V)	Forward Current (mA)		Thermal Resistance °C/W	Junction Temperature °C	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy (lm/W)
			Typ	Max					Min.	TYP		
XUAN1919-KM277P7-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	🟡 Warm White	2700K	1650	1970	80	115
XUAN1919-KM307P8-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	🟡 Warm White	3000K	1800	2070	80	120
XUAN1919-KM357P8-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	🟡 Warm White	3500K	1800	2125	80	123
XUAN1919-KM407P8-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	⚪ Neutral White	4000K	1800	2185	80	127
XUAN1919-KM457P9-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	⚪ Neutral White	4500K	2000	2225	80	129
XUAN1919-KT507P9-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	⚪ Cool White	5000K	2000	2260	80	130
XUAN1919-KT577P9-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	⚪ Cool White	5700K	2000	2280	80	134
XUAN1919-KT657P9-36817-3E0T	17W	34.5~40.0	480	960	0.66	120	⚪ Cool White	6500K	2000	2280	80	134

High Power LED ■ XUAN1919 Series



UNIT : mm



25W

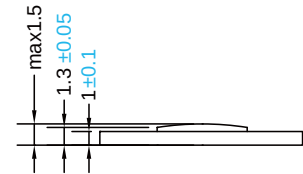
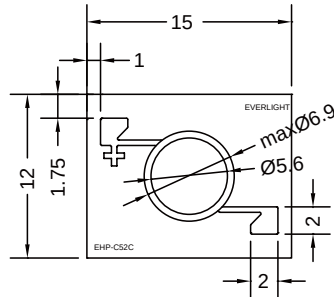
Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
XUAN1919-KM277S4-36C25-3E0T	19x19x1.5	34.5~40.0	● Warm White	2700K	2800	2860	80	111
XUAN1919-KM307S5-36C25-3E0T	19x19x1.5	34.5~40.0	● Warm White	3000K	3000	3000	80	116
XUAN1919-KM357S5-36C25-3E0T	19x19x1.5	34.5~40.0	● Warm White	3500K	3000	3085	80	120
XUAN1919-KM407S5-36C25-3E0T	19x19x1.5	34.5~40.0	○ Neutral White	4000K	3000	3165	80	123
XUAN1919-KM457S6-36C25-3E0T	19x19x1.5	34.5~40.0	○ Neutral White	4500K	3200	3225	80	125
XUAN1919-KT507S6-36C25-3E0T	19x19x1.5	34.5~40.0	○ Cool White	5000K	3200	3280	80	127
XUAN1919-KT577S6-36C25-3E0T	19x19x1.5	34.5~40.0	○ Cool White	5700K	3200	3305	80	128
XUAN1919-KT657S6-36C25-3E0T	19x19x1.5	34.5~40.0	○ Cool White	6500K	3200	3305	80	128

High Power LED | JU1215 Series 炬

High Power LED



UNIT : mm



4W

Product	Size (LxWxHmm)	Forward Voltage (V)	Forward Current (mA)		Thermal Resistance (°C/W)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy (lm/W)
			Typ	Max				Min.	TYP		
JU1215-KM277K5-09804-450T	12x15x1.6	8~11	400	700	7	● Warm White	2700K	325	363	80	82
JU1215-KM307K5-09804-450T	12x15x1.6	8~11	400	700	7	● Warm White	3000K	325	389	80	63
JU1215-KM407K5-09804-450T	12x15x1.6	8~11	400	700	7	○ Neutral White	4000K	325	398	80	65
JU1215-GT507K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	5000K	375	442	70	75
JU1215-KT507K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	5000K	375	391	80	98
JU1215-GT577K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	5700K	375	463	70	104
JU1215-KT577K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	5700K	375	391	80	98
JU1215-GT657K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	6500K	375	452	70	102
JU1215-KT657K7-09804-450T	12x15x1.6	8~11	400	700	7	○ Cool White	6500K	375	391	80	98

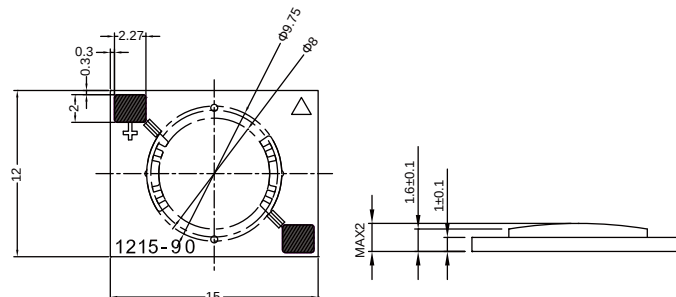
Product	Size (LxWxHmm)	Forward Voltage (V)	Forward Current (mA)		Thermal Resistance (°C/W)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy (lm/W)
			Typ	Max				Min.	TYP		
JU1215-KM277K5-90104-45AT	12x15x1.6	80~101	40	70	7	● Warm White	2700K	325	381	80	86
JU1215-KM307K5-90104-45AT	12x15x1.6	80~101	40	70	7	● Warm White	3000K	325	398	80	90
JU1215-KM407K5-90104-45AT	12x15x1.6	80~101	40	70	7	○ Neutral White	4000K	325	405	80	91
JU1215-KT507K6-90104-45AT	12x15x1.6	80~101	40	70	7	○ Cool White	5000K	375	425	80	96

High Power LED ■ JU1215 Series 炬



6W

UNIT : mm



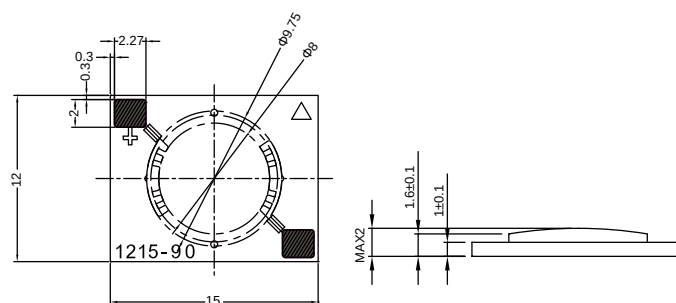
Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU1215-KM277N4-36206-390T	12x15x1.6	33~41	● Warm White	2700K	550	630	80	105
JU1215-KM307N5-36206-390T	12x15x1.6	33~41	● Warm White	3000K	600	670	80	112
JU1215-KM407N5-36206-390T	12x15x1.6	33~41	○ Neutral White	4000K	600	730	80	122
JU1215-KT507N6-36206-390T	12x15x1.6	33~41	○ Cool White	5000K	650	750	80	125
JU1215-KT577N6-36206-390T	12x15x1.6	33~41	○ Cool White	5700K	650	750	80	125

High Power LED ■ JU1215 Series 炬



7W

UNIT : mm

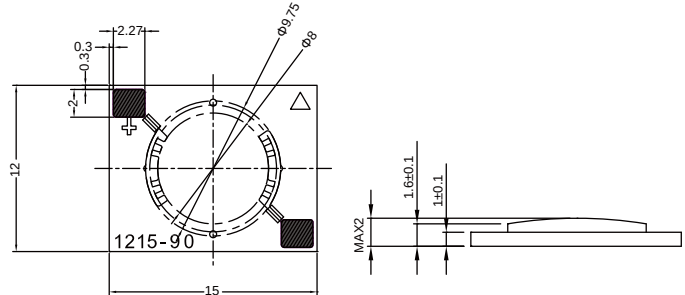


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU1215-KM277N6-12507-090T	12x15x1.6	11~14	● Warm White	2700K	650	710	80	101
JU1215-KM307N6-12507-090T	12x15x1.6	11~14	● Warm White	3000K	650	730	80	104
JU1215-KM407N6-12507-090T	12x15x1.6	11~14	○ Neutral White	4000K	650	745	80	106
JU1215-KT507N7-12507-090T	12x15x1.6	11~14	○ Cool White	5000K	700	810	80	116
JU1215-KT577N7-12507-090T	12x15x1.6	11~14	○ Cool White	5700K	700	810	80	116
JU1215-KT657N7-12507-090T	12x15x1.6	11~14	○ Cool White	6500K	700	810	80	116

High Power LED ■ JU1215 Series 炬



UNIT : mm



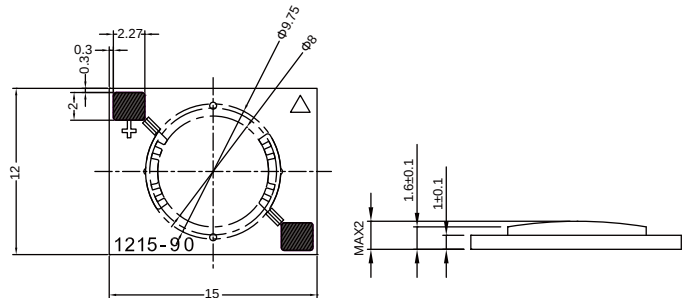
9W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU1215-KM277N9-36309-390T	12x15x1.6	33~41	● Warm White	2700K	800	898	80	100
JU1215-KM307P1-36309-390T	12x15x1.6	33~41	● Warm White	3000K	900	957	80	106
JU1215-KM407P1-36309-390T	12x15x1.6	33~41	○ Neutral White	4000K	900	1050	80	117
JU1215-KT507P2-36309-390T	12x15x1.6	33~41	○ Cool White	5000K	1000	1103	80	123
JU1215-KT577P2-36309-390T	12x15x1.6	33~41	○ Cool White	5700K	1000	1103	80	123

High Power LED ■ JU1215 Series 炬



UNIT : mm



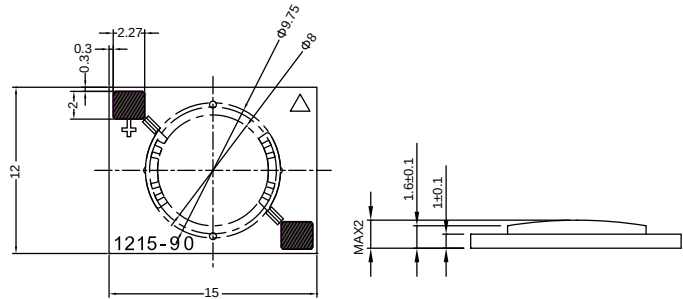
10W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU1215-KT657P3-18610-0A0T	12x15x1.6	16~20	● Warm White	3000K	1100	1210	80	121
JU1215-KT577P3-18610-0A0T	12x15x1.6	16~20	○ Neutral White	4000K	1100	1210	80	121
JU1215-KT507P3-18610-0A0T	12x15x1.6	16~20	○ Cool White	5700K	1100	1210	80	121

High Power LED ■ JU1215 Series 炬



UNIT : mm



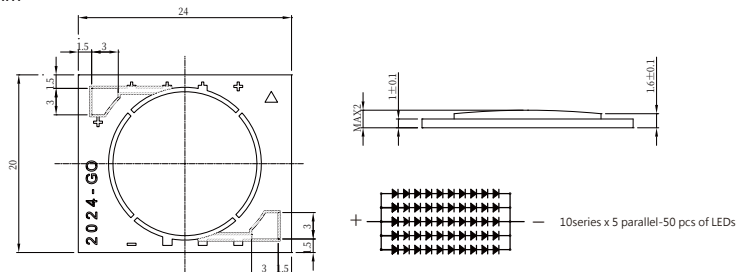
12W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU1215-KM277P2-36412-390T	12x15x1.6	33~41	● Warm White	2700K	1000	1184	80	99
JU1215-KM307P3-36412-390T	12x15x1.6	33~41	● Warm White	3000K	1100	1260	80	105
JU1215-KM407P3-36412-390T	12x15x1.6	33~41	○ Neutral White	4000K	1100	1310	80	109
JU1215-KT507P4-36412-390T	12x15x1.6	33~41	○ Cool White	5000K	1200	1365	80	114
JU1215-KT577P4-36412-390T	12x15x1.6	33~41	○ Cool White	5700K	1200	1365	80	114

High Power LED ■ JU2024 Series 炬



UNIT : mm

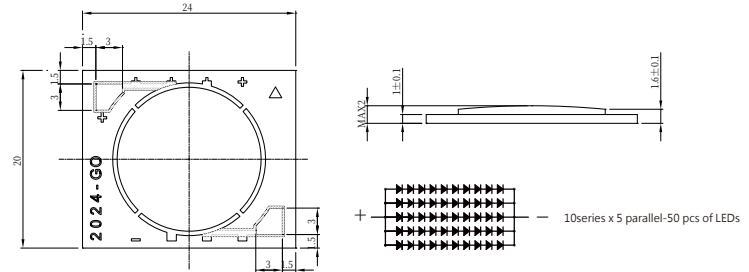


15W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU2024-KM277P5-30515-0G0T	20x24x1.6	27~33	● Warm White	3500K	1425	1580	80	105
JU2024-KM307P6-30515-0G0T	20x24x1.6	27~33	● Warm White	3000K	1500	1650	80	110
JU2024-KM357P6-30515-0G0T	20x24x1.6	27~33	● Warm White	3500K	1500	1700	80	113
JU2024-KM407P6-30515-0G0T	20x24x1.6	27~33	○ Neutral White	4000K	1575	1750	80	117
JU2024-KM457P7-30515-0G0T	20x24x1.6	27~33	○ Neutral White	4500K	1650	1780	80	119
JU2024-KT507P7-30515-0G0T	20x24x1.6	27~33	○ Cool White	5000K	1650	1800	80	120
JU2024-KT577P7-30515-0G0T	20x24x1.6	27~33	○ Cool White	5700K	1725	1850	80	123
JU2024-KT657P7-30515-0G0T	20x24x1.6	27~33	○ Cool White	6500K	1725	1850	80	123

High Power LED ■ JU2024 Series 炬

UNIT : mm

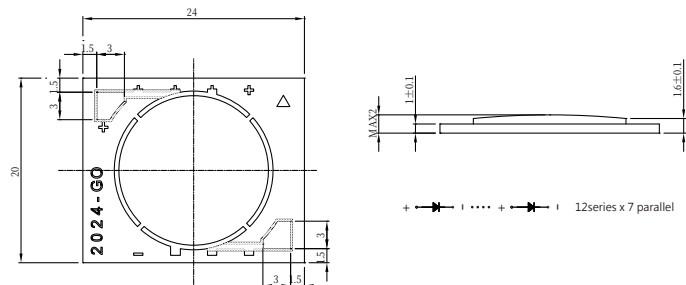


16W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)	CRI (min.)	Luminous Efficacy(lm/W)
					Min.		
JU2024-KM304P7-30516-0G0T	20x24x1.6	27~33	🟡 Warm White	3000K	1650	80	103
JU2024-KM404P7-30516-0G0T	20x24x1.6	27~33	🟡 Neutral White	4000K	1650	80	103

High Power LED ■ JU2024 Series 炬

UNIT : mm



25W

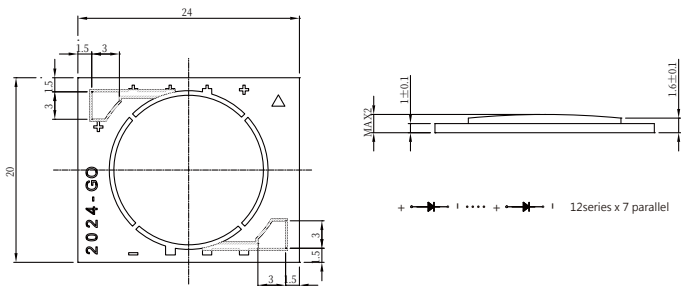
Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU2024-KM277S2-36725-3G0T	20x24x1.6	35~39	🟡 Warm White	2700K	2400	2870	80	115
JU2024-KM307S3-36725-3G0T	20x24x1.6	35~39	🟡 Warm White	3000K	2600	3000	80	120
JU2024-KM407S4-36725-3G0T	20x24x1.6	35~39	⚪ Neutral White	4000K	2800	3180	80	127
JU2024-KT507S5-36725-3G0T	20x24x1.6	35~39	⚪ Cool White	5000K	3000	3270	80	131



High Power LED | JU2024 Series 炬



UNIT : mm



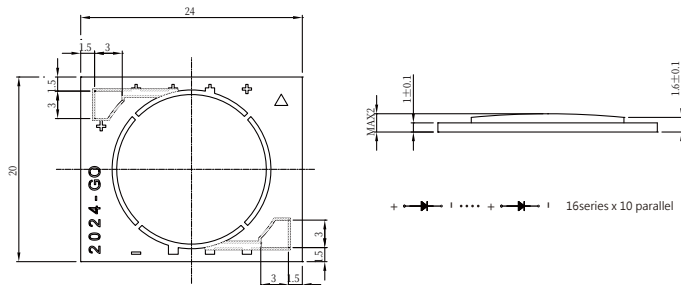
35W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU2024-KM277S7-36A35-3G0T	20x24x1.6	35~39	Warm White	2700K	3400	3890	80	111
JU2024-KM307S8-36A35-3G0T	20x24x1.6	35~39	Warm White	3000K	3600	4070	80	116
JU2024-KM407S9-36A35-3G0T	20x24x1.6	35~39	Neutral White	4000K	3800	4315	80	123
JU2024-KT507M1-36A35-3G0T	20x24x1.6	35~39	Cool White	5000K	4000	4435	80	127

High Power LED | JU2024 Series 炬



UNIT : mm



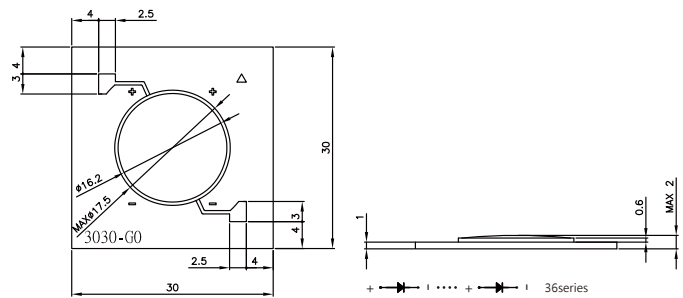
50W

Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU2024-KM277M4-48A50-3G0T	20x24x1.6	46~53	Warm White	2700K	4600	5165	80	103
JU2024-KM307M5-48A50-3G0T	20x24x1.6	46~53	Warm White	3000K	4800	5400	80	108
JU2024-KM407M6-48A50-3G0T	20x24x1.6	46~53	Neutral White	4000K	5000	5725	80	115
JU2024-KT507M7-48A50-3G0T	20x24x1.6	46~53	Cool White	5000K	5200	5885	80	118

High Power LED ■ JU3030炬 (9W)



UNIT : mm

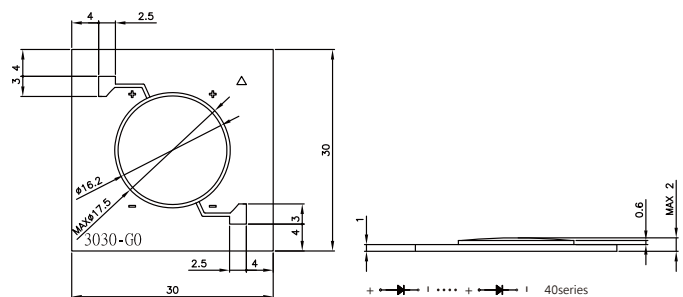


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU3030-KM276P1-A1109-0G0T	30x30x1.6	103~113	● Warm White	2700K	960	1105	80	123
JU3030-KM306P1-A1109-0G0T	30x30x1.6	103~113	● Warm White	3000K	960	1150	80	128
JU3030-KM406P2-A1109-0G0T	30x30x1.6	103~113	○ Neutral White	4000K	1050	1200	80	133
JU3030-KT506P2-A1109-0G0T	30x30x1.6	103~113	○ Cool White	5000K	1050	1235	80	137
JU3030-KT576P2-A1109-0G0T	30x30x1.6	103~113	○ Cool White	5700K	1050	1255	80	139
JU3030-KT656P2-A1109-0G0T	30x30x1.6	103~113	○ Cool White	6500K	1050	1255	80	139

High Power LED ■ JU3030炬 (13W)



UNIT : mm

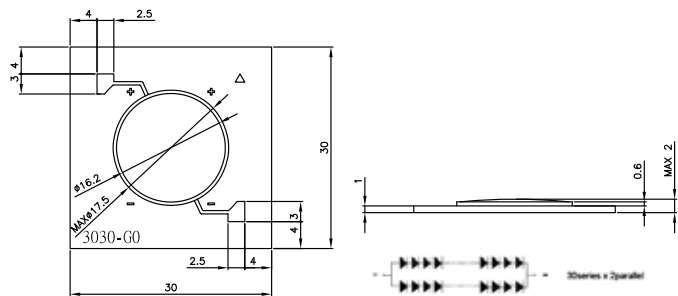


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU3030-KM276P5-A2113-0G0T	30x30x1.6	113~128	● Warm White	2700K	1350	1540	80	118
JU3030-KM306P5-A2113-0G0T	30x30x1.6	113~128	● Warm White	3000K	1350	1580	80	122
JU3030-KM406P6-A2113-0G0T	30x30x1.6	113~128	○ Neutral White	4000K	1500	1700	80	131
JU3030-KT506P6-A2113-0G0T	30x30x1.6	113~128	○ Cool White	5000K	1500	1720	80	132
JU3030-KT576P6-A2113-0G0T	30x30x1.6	113~128	○ Cool White	5700K	1500	1720	80	132
JU3030-KT656P6-A2113-0G0T	30x30x1.6	113~128	○ Cool White	6500K	1500	1720	80	132

High Power LED ■ JU3030炬 (20W)



UNIT : mm

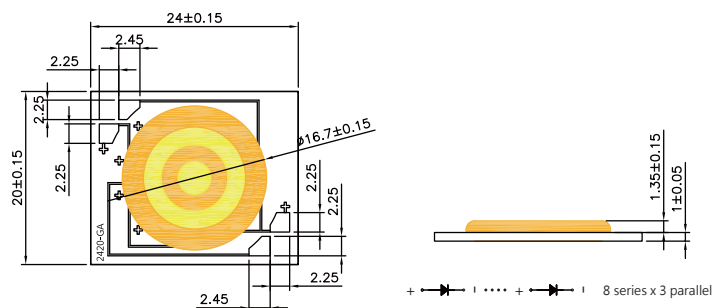


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy(lm/W)
					Min.	TYP		
JU3030-KM276P8-90220-0G0T	30x30x1.6	88~103	● Warm White	2700K	1950	2160	80	108
JU3030-KT506S1-90220-0G0T	30x30x1.6	88~103	○ Cool White	5000K	2200	2450	80	123

High Power LED ■ CHI2024熾 (9W) Color Choice



UNIT : mm

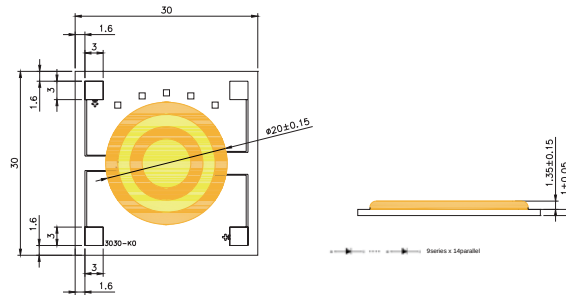


Product	Size (LxWxHmm)	Forward Voltage (V)	Forward Current(mA)		Color	CCT (K)	Luminous Flux (lm)		CRI (min.)
			Typ	Max			Min.	TYP	
CHI2024-KHAH4NG-24609-3G0T	20x24x2.35	23.2~27	350/0	350	● Warm White	2700K	800	880	80
	20x24x2.35	23.2~27	175/175	350	○ Neutral White	4000K	800	980	80
	20x24x2.35	23.2~27	0/350	350	○ Cool White	5700K	800	940	80

High Power LED ■ CHI3030熾 (19W) Color Choice



UNIT : mm

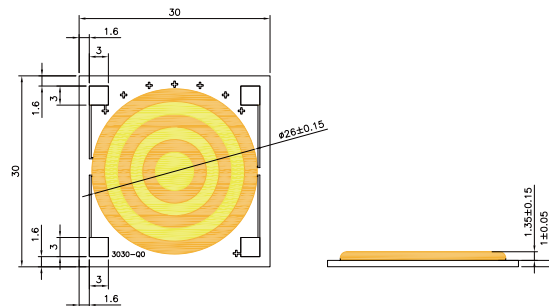


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy (lm/W)
					Min.	TYP		
CHI3030- KHAH4P7-27E19-3K0T	30x30x2.35	26.0~31.0	● Warm White	3000K	1650	1890	80	99
	30x30x2.35	26.0~31.0	○ Neutral White	4000K	1800	2155	80	113
	30x30x2.35	26.0~31.0	○ Cool White	5700K	1800	2095	80	110

High Power LED ■ CHI3030熾 (29W) Color Choice



UNIT : mm

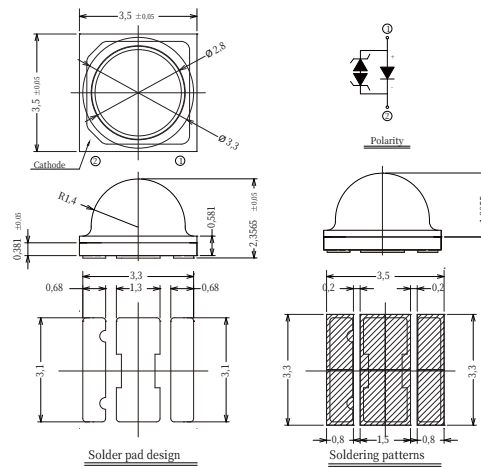


Product	Size (LxWxHmm)	Forward Voltage (V)	Color	CCT (K)	Luminous Flux (lm)		CRI (min.)	Luminous Efficacy (lm/W)
					Min.	TYP		
CHI3030- KHAH4S2-27L29-3Q0T	30x30x2.35	26.0~31.0	● Warm White	3000K	2400	2760	80	95
	30x30x2.35	26.0~31.0	○ Neutral White	4000K	2600	3110	80	107
	30x30x2.35	26.0~31.0	○ Cool White	5700K	2600	2990	80	103

High Power LED ■ Shwo(D) 燦 (D) (1W-3W)



UNIT : mm



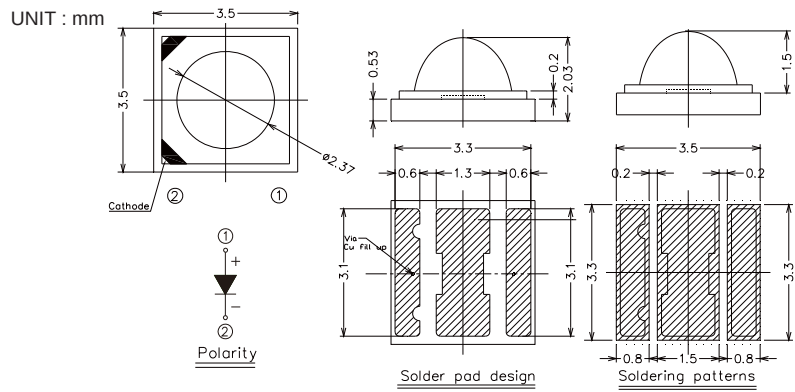
1W / 350mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
ELSWD-J31C1-1LPGC-C6500	3.5x3.5x2.35	○ Cool White	6500	125	70	2.95~4.15
ELSWD-J31C1-1LPGC-C5700	3.5x3.5x2.35	○ Cool White	5700	125	70	2.95~4.15
ELSWD-J21C1-1LPHC-C5700	3.5x3.5x2.35	○ Cool White	5700	115	80	2.95~4.15
ELSWD-J21C1-1LPGC-C5000	3.5x3.5x2.35	○ Cool White	5000	115	70	2.95~4.15
ELSWD-J21C1-1LPGC-C4500	3.5x3.5x2.35	○ Neutral White	4500	115	70	2.95~4.15
ELSWD-J11N1-1LPHC-C4500	3.5x3.5x2.35	○ Neutral White	4500	105	80	2.95~4.15
ELSWD-J11C1-1LPGC-C4000	3.5x3.5x2.35	○ Neutral White	4000	105	70	2.95~4.15
ELSWD-J11N1-1LPHC-C4000	3.5x3.5x2.35	○ Neutral White	4000	105	80	2.95~4.15
ELSWD-F91M1-1LPHE-C3500	3.5x3.5x2.35	● Warm White	3500	95	80	2.95~4.15
ELSWD-F91M1-1LPHE-C3000	3.5x3.5x2.35	● Warm White	3000	95	80	2.95~4.15
ELSWD-F81M1-1LPHE-C2700	3.5x3.5x2.35	● Warm White	2700	85	80	2.95~4.15

3W / 700mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
ELSWD-J31C1-1LPGC-C6500	3.5x3.5x2.35	○ Cool White	6500	210	70	2.95~4.15
ELSWD-J31C1-1LPGC-C5700	3.5x3.5x2.35	○ Cool White	5700	210	70	2.95~4.15
ELSWD-J21C1-1LPHC-C5700	3.5x3.5x2.35	○ Cool White	5700	190	80	2.95~4.15
ELSWD-J21C1-1LPGC-C5000	3.5x3.5x2.35	○ Cool White	5000	190	70	2.95~4.15
ELSWD-J21C1-1LPGC-C4500	3.5x3.5x2.35	○ Neutral White	4500	190	70	2.95~4.15
ELSWD-J11N1-1LPHC-C4500	3.5x3.5x2.35	○ Neutral White	4500	180	80	2.95~4.15
ELSWD-J11C1-1LPGC-C4000	3.5x3.5x2.35	○ Neutral White	4000	180	70	2.95~4.15
ELSWD-J11N1-1LPHC-C4000	3.5x3.5x2.35	○ Neutral White	4000	180	80	2.95~4.15
ELSWD-F91M1-1LPHE-C3500	3.5x3.5x2.35	● Warm White	3500	155	80	2.95~4.15
ELSWD-F91M1-1LPHE-C3000	3.5x3.5x2.35	● Warm White	3000	155	80	2.95~4.15
ELSWD-F81M1-1LPHE-C2700	3.5x3.5x2.35	● Warm White	2700	155	80	2.95~4.15

High Power LED ■ Shwo爍 (1W, 3W)



1W / 350mA

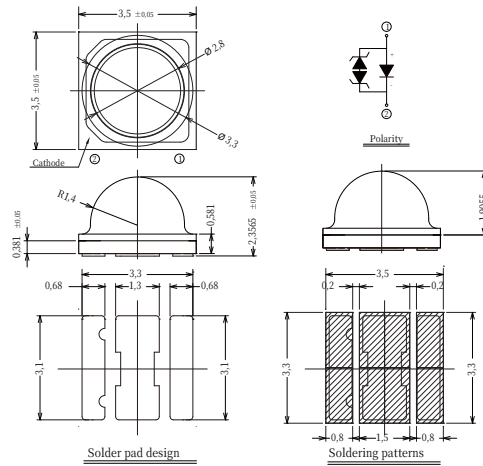
Product	Size (LxWxHmm)	Color	Wavelength (nm)	Typ. Radiant Power (mW)	CRI (min.)	Forward Voltage (V)
*ELSW-F61R1-0PPNM-AR5R6	3.5x3.5x2.03	Red	620~630	65	--	1.75~2.65
ELSW-F61O1-0PPNM-AR3R4	3.5x3.5x2.03	Orange	610~620	65	--	1.75~2.65
ELSW-F41Y1-0LPNM-AA3A5	3.5x3.5x2.03	Amber	585~592.5	48	--	1.75~2.65
*ELSW-F81G1-0GPNM-CG1G2	3.5x3.5x2.03	Green	520~530	85	--	2.95~3.85
*ELSW-E81B1-0LPNM-CB7B8	3.5x3.5x2.03	Blue	460~470	21	--	2.95~3.85
ELSW-Q91L1-0LPNM-CB4B6	3.5x3.5x2.03	Royal Blue	445~460	275	--	2.95~3.85
*ELSW-Q91E1-0LPNM-AD3D8	3.5x3.5x2.03	Red	645~675	275	--	2.05~2.95

Star mark * : *Product lead time of at least 8 weeks.

High Power LED ■ Shwo(N) 燦(N)



UNIT : mm



High Luminous

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 350mA	CRI (min.)	Forward Voltage (V)
ELSWN-JF1C1-5VPGS-C6500	3.5x3.5x2.35	○ Cool White	6500	160	70	2.95~4.15
ELSWN-JF1C1-5VPGS-C5700	3.5x3.5x2.35	○ Cool White	5700	160	70	2.95~4.15
ELSWN-JE1C1-5VPHS-C5700	3.5x3.5x2.35	○ Cool White	5700	148	80	2.95~4.15
ELSWN-JF1C1-5VPGS-C5000	3.5x3.5x2.35	○ Cool White	5000	160	70	2.95~4.15
ELSWN-JE1C1-5VPHS-C5000	3.5x3.5x2.35	○ Cool White	5000	148	80	2.95~4.15
ELSWN-JE1N1-5VPGS-C4500	3.5x3.5x2.35	○ Neutral White	4500	148	70	2.95~4.15
ELSWN-JC1N1-5VPHS-C4500	3.5x3.5x2.35	○ Neutral White	4500	137	80	2.95~4.15
ELSWN-JE1N1-5VPGS-C4000	3.5x3.5x2.35	○ Neutral White	4000	148	70	2.95~4.15
ELSWN-JC1N1-5VPHS-C4000	3.5x3.5x2.35	○ Neutral White	4000	137	80	2.95~4.15
ELSWN-JB1M1-5VPHS-C3500	3.5x3.5x2.35	○ Warm White	3500	126	80	2.95~4.15
ELSWN-JB1M1-5VPHS-C3000	3.5x3.5x2.35	○ Warm White	3000	126	80	2.95~4.15
ELSWN-JB1M1-5VPHS-C2700	3.5x3.5x2.35	○ Warm White	2700	126	80	2.95~4.15

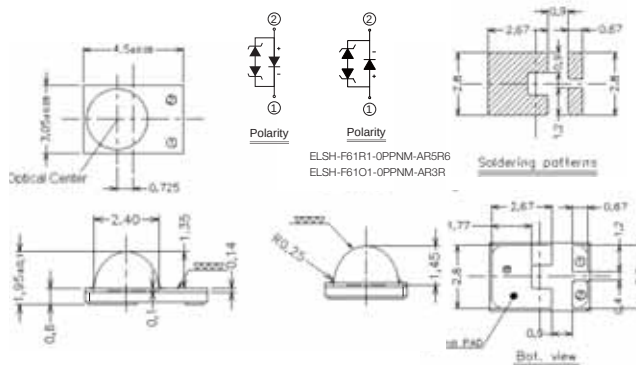
Normal

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 350mA	CRI (min.)	Forward Voltage (V)
ELSWN-JE1C1-0VPGS-C6500	3.5x3.5x2.35	○ Cool White	6500	150	70	2.95~4.15
ELSWN-JE1C1-0VPGS-C5700	3.5x3.5x2.35	○ Cool White	5700	150	70	2.95~4.15
ELSWN-JC1C1-0VPHS-C5700	3.5x3.5x2.35	○ Cool White	5700	138	80	2.95~4.15
ELSWN-JE1C1-0VPGS-C5000	3.5x3.5x2.35	○ Cool White	5000	150	70	2.95~4.15
ELSWN-JC1C1-0VPHS-C5000	3.5x3.5x2.35	○ Cool White	5000	138	80	2.95~4.15
ELSWN-JC1N1-0VPGS-C4500	3.5x3.5x2.35	○ Neutral White	4500	138	70	2.95~4.15
ELSWN-JB1N1-0VPHS-C4500	3.5x3.5x2.35	○ Neutral White	4500	127	80	2.95~4.15
ELSWN-JC1N1-0VPGS-C4000	3.5x3.5x2.35	○ Neutral White	4000	138	70	2.95~4.15
ELSWN-JB1N1-0VPHS-C4000	3.5x3.5x2.35	○ Neutral White	4000	127	80	2.95~4.15
ELSWN-JA1M1-0VPHS-C3500	3.5x3.5x2.35	○ Warm White	3500	116	80	2.95~4.15
ELSWN-JA1M1-0VPHS-C3000	3.5x3.5x2.35	○ Warm White	3000	116	80	2.95~4.15
ELSWN-JA1M1-0VPHS-C2700	3.5x3.5x2.35	○ Warm White	2700	116	80	2.95~4.15

High Power LED ■ Shuen炫 (1W, 3W)



UNIT : mm



1W / 350mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
ELSH-F91C1-0LPGS-C6500	3.05x4.5x1.95	○ Cool White	6500	95	70	2.95~3.85
ELSH-F91C1-0LPGS-C5700	3.05x4.5x1.95	○ Cool White	5700	95	70	2.95~3.85
ELSH-F81C1-0LPGS-C5000	3.05x4.5x1.95	○ Cool White	5000	85	70	2.95~3.85
ELSH-F81N1-0LPGS-C4500	3.05x4.5x1.95	○ Neutral White	4500	85	75	2.95~3.85
ELSH-F81N1-0LPGS-C4000	3.05x4.5x1.95	○ Neutral White	4000	85	75	2.95~3.85
ELSH-F71M1-0LPGS-C3500	3.05x4.5x1.95	● Warm White	3500	75	75	2.95~3.85
ELSH-F71M1-0LPGS-C3000	3.05x4.5x1.95	● Warm White	3000	75	75	2.95~3.85
ELSH-F61M1-0LPGS-C2700	3.05x4.5x1.95	● Warm White	2700	65	75	2.95~3.85

Product	Size (LxWxHmm)	Color	Wavelength (nm)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
*ELSH-F51R1-0LPNM-AR5R6	3.05x4.5x1.95	● Red	620~630	56	--	1.75~2.95
*ELSH-F61R1-0PPNM-AR5R6	3.05x4.5x1.95	● Red	620~630	65	--	1.75~2.95
ELSH-F51O1-0LPNM-AR3R4	3.05x4.5x1.95	● Orange	610~620	56	--	1.75~2.95
ELSH-F61O1-0PPNM-AR3R4	3.05x4.5x1.95	● Orange	610~620	65	--	1.75~2.95
ELSH-F41Y1-0LPNM-AA3A5	3.05x4.5x1.95	● Amber	585~592.5	48	--	1.75~2.95
ELSH-F41Y1-0LPNM-AA4A6	3.05x4.5x1.95	● Amber	587.5~595	48	--	1.75~2.95
ELSH-F81G1-0GPNM-CG1G2	3.05x4.5x1.95	● Green	520~530	85	--	2.95~3.85
ELSH-F81G1-0GPNM-CG2G3	3.05x4.5x1.95	● Green	525~535	85	--	2.95~3.85
*ELSH-E81B1-0LPNM-CB7B8	3.05x4.5x1.95	● Blue	460~470	21	--	2.95~3.85
ELSH-Q91L1-0LPNM-CB4B6	3.05x4.5x1.95	● Royal Blue	Wp 445~460	312 mW	--	2.95~3.85
*ELSH-Q91E1-0LPNM-JD3D8	3.05x4.5x1.95	● Deep Red	Wp 645~675	312 mW	--	2.05~2.95
*ELSH-Q61F1-0LPNM-JF3F8	3.05x4.5x1.95	● Far Red	Wp 715~745	150 mW	--	2.05~2.95

Star mark * : *Product lead time of at least 8 weeks.

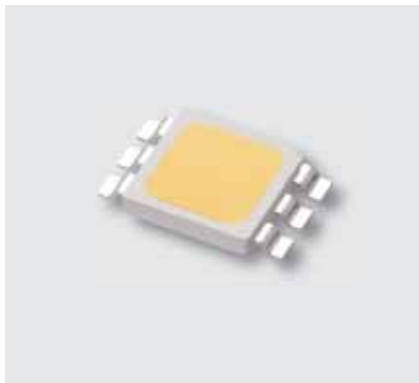
3W / 700mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
ELSH-J61C3-0LPGS-D6500	3.05x4.5x1.95	○ Cool White	6500	155	70	3.25~4.15
ELSH-J61C3-0LPGS-D5700	3.05x4.5x1.95	○ Cool White	5700	155	70	3.25~4.15
ELSH-J51C3-0LPGS-D5000	3.05x4.5x1.95	○ Cool White	5000	145	70	3.25~4.15
ELSH-J41N3-0LPGS-D4500	3.05x4.5x1.95	○ Neutral White	4500	135	75	3.25~4.15
ELSH-J31N3-0LPGS-D4000	3.05x4.5x1.95	○ Neutral White	4000	125	75	3.25~4.15
ELSH-J21M3-0LPGS-D3500	3.05x4.5x1.95	● Warm White	3500	115	75	3.25~4.15
ELSH-J21M3-0LPGS-D3000	3.05x4.5x1.95	● Warm White	3000	115	75	3.25~4.15
ELSH-J21M3-0LPGS-D2700	3.05x4.5x1.95	● Warm White	2700	115	75	3.25~4.15

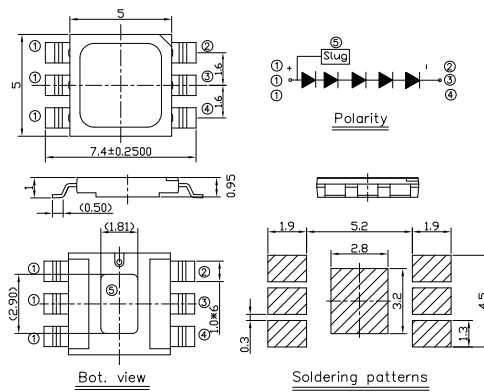
Product	Size (LxWxHmm)	Color	Wavelength (nm)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
ELSH-F91R3-0LPNM-BR4R6	3.05x4.5x1.95	● Red	615~630	95	--	2.05~3.25
ELSH-F91Y3-0LPNM-BA3A5	3.05x4.5x1.95	● Amber	585~592.5	95	--	2.05~3.25
*ELSH-J11G3-0LPNM-DG1G3	3.05x4.5x1.95	● Green	520~535	105	--	3.25~4.15
*ELSH-E91B3-0LPNM-DB6B8	3.05x4.5x1.95	● Blue	455~470	25	--	3.25~4.15

Star mark * : *Product lead time of at least 8 weeks.

High Power LED ■ A22 (1W-3W)



UNIT : mm



1W / 80mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
EHP-A22/GT35H-P01/65K/K53/TR	7.4x5x0.95	○ Cool White	6500	130	65	13.5~16.5
EHP-A22/GT35H-P01/57K/N12/TR	7.4x5x0.95	○ Cool White	5700	140	65	13.5~16.5
EHP-A22/GT35H-P01/57K/N11/TR	7.4x5x0.95	○ Cool White	5700	130	65	13.5~16.5
EHP-A22/KT35H-P01/57K/K53/TR	7.4x5x0.95	○ Cool White	5700	120	80	13.5~16.5
EHP-A22/GT35H-P01/50K/K53/TR	7.4x5x0.95	○ Cool White	5000	130	65	13.5~16.5
EHP-A22/KM35H-P01/45K/K51/TR	7.4x5x0.95	○ Neutral White	4500	115	80	13.5~16.5
EHP-A22/KM35H-P01/40K/K51/TR	7.4x5x0.95	● Warm White	4000	115	80	13.5~16.5
EHP-A22/KM35H-P01/35K/K51/TR	7.4x5x0.95	● Warm White	3500	115	80	13.5~16.5
EHP-A22/KM35H-P01/30K/K52/TR	7.4x5x0.95	● Warm White	3000	120	80	13.5~16.5
EHP-A22/KM35H-P01/30K/K51/TR	7.4x5x0.95	● Warm White	3000	110	80	13.5~16.5
EHP-A22/KM35H-P01/27K/K43/TR	7.4x5x0.95	● Warm White	2700	110	80	13.5~16.5

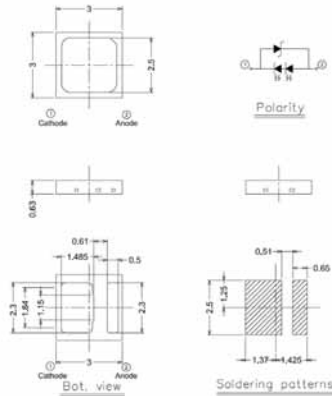
3W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	CRI (min.)	Forward Voltage (V)
EHP-A22/GT35H-P01/65K/K53/TR	7.4x5x0.95	○ Cool White	6500	230	65	14.7~17.7
EHP-A22/GT35H-P01/57K/N12/TR	7.4x5x0.95	○ Cool White	5700	240	65	14.7~17.7
EHP-A22/GT35H-P01/57K/N11/TR	7.4x5x0.95	○ Cool White	5700	240	65	14.7~17.7
EHP-A22/KT35H-P01/57K/K53/TR	7.4x5x0.95	○ Cool White	5700	220	80	14.7~17.7
EHP-A22/GT35H-P01/50K/K53/TR	7.4x5x0.95	○ Cool White	5000	230	65	14.7~17.7
EHP-A22/KM35H-P01/45K/K51/TR	7.4x5x0.95	○ Neutral White	4500	200	80	14.7~17.7
EHP-A22/KM35H-P01/40K/K51/TR	7.4x5x0.95	● Warm White	4000	200	80	14.7~17.7
EHP-A22/KM35H-P01/35K/K51/TR	7.4x5x0.95	● Warm White	3500	190	80	14.7~17.7
EHP-A22/KM35H-P01/30K/K52/TR	7.4x5x0.95	● Warm White	3000	210	80	14.7~17.7
EHP-A22/KM35H-P01/30K/K51/TR	7.4x5x0.95	● Warm White	3000	190	80	14.7~17.7
EHP-A22/KM35H-P01/27K/K43/TR	7.4x5x0.95	● Warm White	2700	180	80	14.7~17.7

High Power LED ■ XI3030 Series (3030 package, 1W, 6V)



UNIT : mm



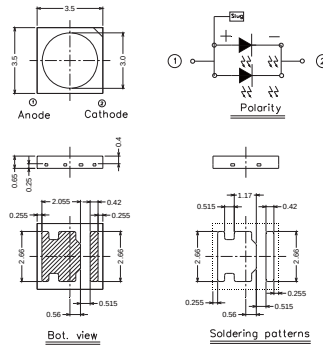
1W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
XI3030/KK3C-H6565S2S658661Z15/2N	3×3×0.63	○ Cool White	6500	125	80	5.8~6.6
XI3030/KK3C-H5757S2S658661Z15/2N	3×3×0.63	○ Cool White	5700	125	80	5.8~6.6
XI3030/KK3C-H5050S2S658661Z15/2N	3×3×0.63	○ Cool White	5000	125	80	5.8~6.6
XI3030/KK3C-H4040S2S658661Z15/2N	3×3×0.63	○ Neutral White	4000	115	80	5.8~6.6
XI3030/KK3C-H3030S2S658661Z15/2N	3×3×0.63	● Warm White	3000	115	80	5.8~6.6
XI3030/KK3C-H2727S1S5 58661Z15/2N	3×3×0.63	● Warm White	2700	111	80	5.8~6.6

High Power LED ■ XI3535 Series (3535 package, 1W, 3V)



UNIT : mm



1W / 3V

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 350mA	CRI (min.)	Forward Voltage (V)
XI3535-KM277F9-03201-000P	3.5x3.5x0.65	● Warm White	2700K	100	80	2.95~3.85
XI3535-KM307F9-03201-000P	3.5x3.5x0.65	● Warm White	3000K	104	80	2.95~3.85
XI3535-KM357F9-03201-000P	3.5x3.5x0.65	● Warm White	3500K	105	80	2.95~3.85
XI3535-HM307F8-03201-000P	3.5x3.5x0.65	● Warm White	3000K	84	93	2.95~3.85
XI3535-KM407F9-03201-000P	3.5x3.5x0.65	○ Neutral White	4000K	107	85	2.95~3.85
XI3535-KT507J1-03201-000P	3.5x3.5x0.65	○ Cool White	5000K	110	80	2.95~3.85
XI3535-KT577J1-03201-000P	3.5x3.5x0.65	○ Cool White	5700K	111	80	2.95~3.85
XI3535-KT607J1-03201-000P	3.5x3.5x0.65	○ Cool White	6000K	129	80	2.95~3.85
XI3535-KT657J1-03201-000P	3.5x3.5x0.65	○ Cool White	6500K	108	80	2.95~3.85
XI3535-PT577F9-03201-000P	3.5x3.5x0.65	○ Cool White	5700K	97	93	2.95~3.85

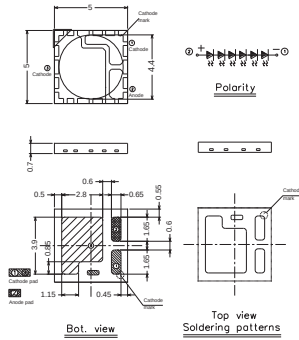
1W / 6V

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
XI3535-KT657J3-06101-000P	3.5x3.5x0.65	○ Cool White	6500K	123	80	6.0~6.6
XI3535-KT577J3-06101-000P	3.5x3.5x0.65	○ Cool White	5700K	125	80	6.0~6.6
XI3535-KT507J3-06101-000P	3.5x3.5x0.65	○ Cool White	5000K	124	80	6.0~6.6
XI3535-KM407J2-06101-000P	3.5x3.5x0.65	○ Neutral White	4000K	119	80	6.0~6.6
XI3535-KM307J2-06101-000P	3.5x3.5x0.65	● Warm White	3000K	118	80	6.0~6.6
XI3535-KM277J2-06101-000P	3.5x3.5x0.65	● Warm White	2700K	113	80	6.0~6.6

High Power LED ■ XI5050 Series (5050 package, 4W, 18V)



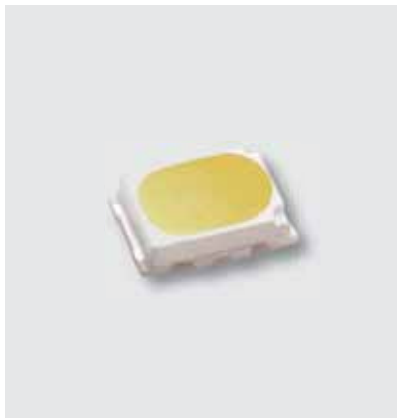
UNIT : mm



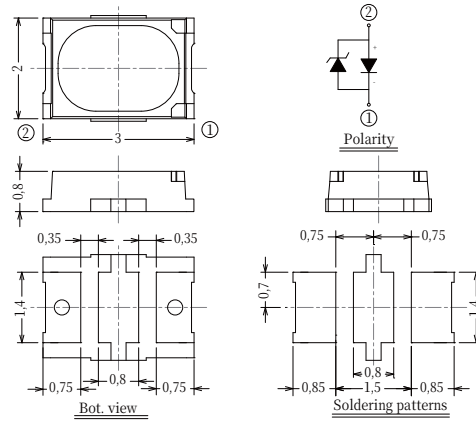
1W / 3V

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
XI5050-KM277K9-20104-000P	5.0x5.0x0.7	● Warm White	2700K	472	80	18~22
XI5050-KM307N1-20104-000P	5.0x5.0x0.7	● Warm White	3000K	485	80	18~22
XI5050-KM407N1-20104-000P	5.0x5.0x0.7	○ Neutral White	4000K	491	80	18~22
XI5050-KT507N2-20104-000P	5.0x5.0x0.7	○ Cool White	5000K	510	80	18~22
XI5050-KT577N2-20104-000P	5.0x5.0x0.7	○ Cool White	5700K	512	80	18~22
XI5050-KT657N2-20104-000P	5.0x5.0x0.7	○ Cool White	6500K	508	80	18~22

Low Middle Power LED ■ 45-21S Series (3020 package, 0.1W / 0.2W)



UNIT : mm



0.1W / 30mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 30mA	CRI (min.)	Forward Voltage (V)
45-21S/KK3C-H6565L1L4B42Z3/2T	3x2x0.8	○ Cool White	6500	10	80	2.9~3.6
45-21S/KK3C-H6060L1L4B42Z3/2T	3x2x0.8	○ Cool White	6000	10	80	2.9~3.6
45-21S/KK3C-H5757L1L4B42Z3/2T	3x2x0.8	○ Cool White	5700	10	80	2.9~3.6
45-21S/KK3C-H5050L1L4B42Z3/2T	3x2x0.8	○ Cool White	5000	10	80	2.9~3.6
45-21S/KK3C-H4040L1L4B42Z3/2T	3x2x0.8	○ Neutral White	4000	10	80	2.9~3.6
45-21S/KK3C-H3535B9L3B42Z3/2T	3x2x0.8	○ Neutral White	3500	9.5	80	2.9~3.6
45-21S/KK3C-H3030B9L3B42Z3/2T	3x2x0.8	● Warm White	3000	9.5	80	2.9~3.6
45-21S/KK3C-H2727B8L3B42Z3/2T	3x2x0.8	● Warm White	2700	9	80	2.9~3.6

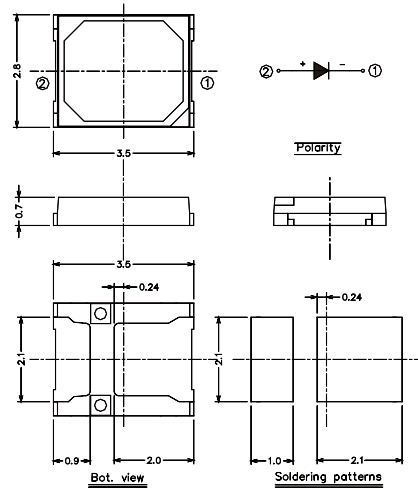
0.2W / 60mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
45-21S/KK2D-H6565M4N4B2Z6/2T	3x2x0.8	○ Cool White	6500	21	80	2.9~3.6
45-21S/KK2D-H5757M4N4B2Z6/2T	3x2x0.8	○ Cool White	5700	21	80	2.9~3.6
45-21S/KK2D-H5050M4N4B2Z6/2T	3x2x0.8	○ Cool White	5000	21	80	2.9~3.6
45-21S/KK2D-H4040M4N4B2Z6/2T	3x2x0.8	○ Neutral White	4000	21	80	2.9~3.6
45-21S/KK2D-H3030M31N4B2Z6/2T	3x2x0.8	● Warm White	3000	20	80	2.9~3.6
45-21S/KK2D-H2727M3N4B2Z6/2T	3x2x0.8	● Warm White	2700	19	80	2.9~3.6

Low Middle Power LED ■ 67-21S Series (2835 package, 0.2W)



UNIT : mm



0.2W / 60mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
67-21S/KK2C-H6565M41N42936Z6/2T	3.5x2.8x0.7	○ Cool White	6500	24	80	2.9~3.6
67-21S/KK2C-H6060M41N42936Z6/2T	3.5x2.8x0.7	○ Cool White	6000	24	80	2.9~3.6
67-21S/KK2C-H5757M41N42936Z6/2T	3.5x2.8x0.7	○ Cool White	5700	24	80	2.9~3.6
67-21S/KK2C-H5353M41N42936Z6/2T	3.5x2.8x0.7	○ Cool White	5300	24	80	2.9~3.6
67-21S/KK2C-H5050M41N42936Z6/2T	3.5x2.8x0.7	○ Cool White	5000	24	80	2.9~3.6
67-21S/KK2C-H4040M4N42936Z6/2T	3.5x2.8x0.7	○ Neutral White	4000	23	80	2.9~3.6
67-21S/KK2C-H3535M31N42936Z6/2T	3.5x2.8x0.7	○ Neutral White	3500	22	80	2.9~3.6
67-21S/KK2C-H3030M31N42936Z6/2T	3.5x2.8x0.7	○ Warm White	3000	22	80	2.9~3.6
67-21S/KK2C-H2727M3N42936Z6/2T	3.5x2.8x0.7	○ Warm White	2700	21	80	2.9~3.6

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
67-21S/KK3C-H5757N3P32936Z6/2T	3.5x2.8x0.7	○ Cool White	5700	25	80	2.9~3.6
67-21S/KK3C-H5050N3P32936Z6/2T	3.5x2.8x0.7	○ Cool White	5000	25	80	2.9~3.6
67-21S/KK3C-H4040M42P32936Z6/2T	3.5x2.8x0.7	○ Neutral White	4000	24	80	2.9~3.6
67-21S/KK3C-H3030M41N42936Z6/2T	3.5x2.8x0.7	○ Warm White	3000	23	80	2.9~3.6
67-21S/KK3C-H2727M31N42936Z6/2T	3.5x2.8x0.7	○ Warm White	2700	21	80	2.9~3.6

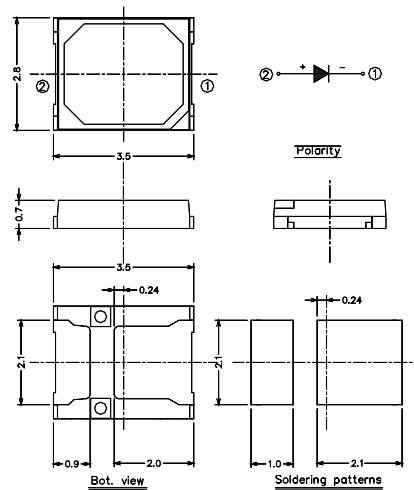
0.2W / CRI 90

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
67-21S/HK2C-H5757M3N42936Z6/2T	3.5x2.8x0.7	○ Cool White	5700	20	90	2.9~3.6
67-21S/HK2C-H5050M3N42936Z6/2T	3.5x2.8x0.7	○ Cool White	5000	20	90	2.9~3.6
67-21S/HK2C-H4040L9N32936Z6/2T	3.5x2.8x0.7	○ Neutral White	4000	19	90	2.9~3.6
67-21S/HK2C-H3030L8M42936Z6/2T	3.5x2.8x0.7	○ Warm White	3000	18	90	2.9~3.6

Low Middle Power LED ■ 67-21S Series (2835 package, 0.5W)



UNIT : mm



0.5W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
67-21S/KK2C-H6565R1R42835Z15/2T	3.5x2.8x0.7	○ Cool White	6500	54	80	2.8~3.5
67-21S/KK2C-H6060R1R42835Z15/2T	3.5x2.8x0.7	○ Cool White	6000	54	80	2.8~3.5
67-21S/KK2C-H5757R1R42835Z15/2T	3.5x2.8x0.7	○ Cool White	5700	54	80	2.8~3.5
67-21S/KK2C-H5050R1R42835Z15/2T	3.5x2.8x0.7	○ Cool White	5000	54	80	2.8~3.5
67-21S/KK2C-H4040QAR32835Z15/2T	3.5x2.8x0.7	○ Neutral White	4000	52	80	2.8~3.5
67-21S/KK2C-H3535QAR32835Z15/2T	3.5x2.8x0.7	○ Neutral White	3500	50	80	2.8~3.5
67-21S/KK2C-H3030QAR32835Z15/2T	3.5x2.8x0.7	● Warm White	3000	49	80	2.8~3.5
67-21S/KK2C-H2727PBR22835Z15/2T	3.5x2.8x0.7	● Warm White	2700	46	80	2.8~3.5

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
67-21S/KK3C-H6565R2R52835Z15/2T	3.5x2.8x0.7	○ Cool White	6500	58	80	2.8~3.5
67-21S/KK3C-H5757R2R52835Z15/2T	3.5x2.8x0.7	○ Cool White	5700	58	80	2.8~3.5
67-21S/KK3C-H5050R2R52835Z15/2T	3.5x2.8x0.7	○ Cool White	5000	58	80	2.8~3.5
67-21S/KK3C-H4040R1R42835Z15/2T	3.5x2.8x0.7	○ Neutral White	4000	52	80	2.8~3.5
67-21S/KK3C-H3030R1R42835Z15/2T	3.5x2.8x0.7	● Warm White	3000	52	80	2.8~3.5
67-21S/KK3C-H2727QAR32835Z15/2T	3.5x2.8x0.7	● Warm White	2700	47	80	2.8~3.5

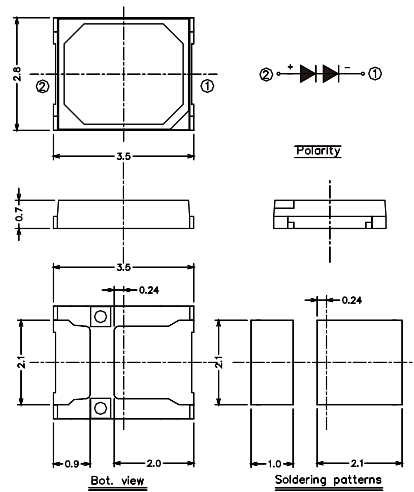
0.5W / CRI 90

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
67-21S/HK3C-H6565R11R42835Z15/2T	3.5x2.8x0.7	○ Cool White	6500	56	80	2.8~3.5
67-21S/HK3C-H5757R11R42835Z15/2T	3.5x2.8x0.7	○ Cool White	5700	56	80	2.8~3.5
67-21S/HK3C-H5050R11R42835Z15/2T	3.5x2.8x0.7	○ Cool White	5000	56	80	2.8~3.5
67-21S/HK3C-H4040R1R42835Z15/2T	3.5x2.8x0.7	○ Neutral White	4000	53	80	2.8~3.5
67-21S/HK3C-H3030QA1R32835Z15/2T	3.5x2.8x0.7	● Warm White	3000	50	80	2.8~3.5
67-21S/HK3C-H2727QAR32835Z15/2T	3.5x2.8x0.7	● Warm White	2700	48	80	2.8~3.5

Low Middle Power LED ■ 67-22ST Series (2835 package, 1W)



UNIT : mm



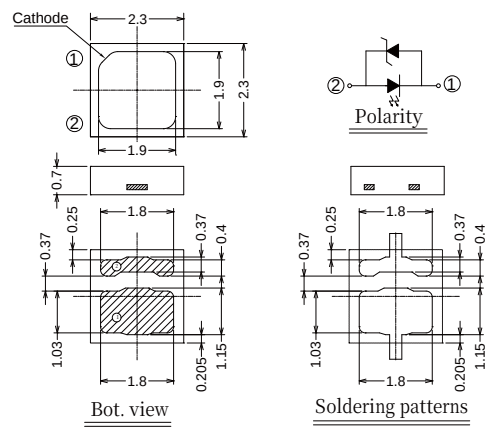
1W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
67-22ST/KK3C-H6565S2BS65670Z15/2T	3.5x2.8x0.7	○ Cool White	6500	123	80	5.6~7.0
67-22ST/KK3C-H5757S2BS65670Z15/2T	3.5x2.8x0.7	○ Cool White	5700	123	80	5.6~7.0
67-22ST/KK3C-H5050S2BS65670Z15/2T	3.5x2.8x0.7	○ Cool White	5000	123	80	5.6~7.0
67-22ST/KK3C-H4040S2S65670Z15/2T	3.5x2.8x0.7	○ Neutral White	4000	117	80	5.6~7.0
67-22ST/KK3C-H3030S2S65670Z15/2T	3.5x2.8x0.7	● Warm White	3000	117	80	5.6~7.0
67-22ST/KK3C-H2727S1BS65670Z15/2T	3.5x2.8x0.7	● Warm White	2700	112	80	5.6~7.0

Low Middle Power LED ■ 2323 Series (0.2W)



UNIT : mm

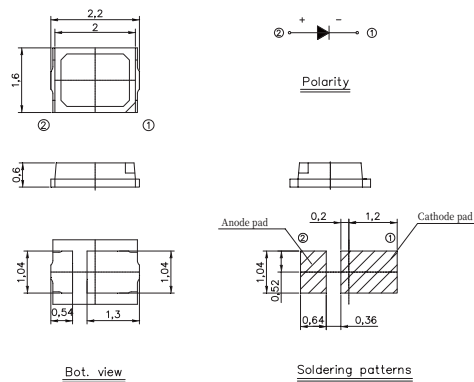


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
XI2323/KK3C-H6565M4P3B63Z6/2T	2.3x2.3x0.7	○ Cool White	6500	21	80	2.6-3.3
XI2323/KK3C-H5757M4P3B63Z6/2T	2.3x2.3x0.7	○ Cool White	5700	21	80	2.6-3.3
XI2323/KK3C-H5050M4P3B63Z6/2T	2.3x2.3x0.7	○ Cool White	5000	21	80	2.6-3.3
XI2323/KK3C-H4040M3P3B63Z6/2T	2.3x2.3x0.7	○ Neutral White	4000	20	80	2.6-3.3
XI2323/KK3C-H3030M3P3B63Z6/2T	2.3x2.3x0.7	● Warm White	3000	20	80	2.6-3.3
XI2323/KK3C-H2727M3N4B63Z6/2T	2.3x2.3x0.7	● Warm White	2700	19	80	2.6-3.3

Low Middle Power LED ■ 37-21S Series (2016 package, 0.2W)



UNIT : mm

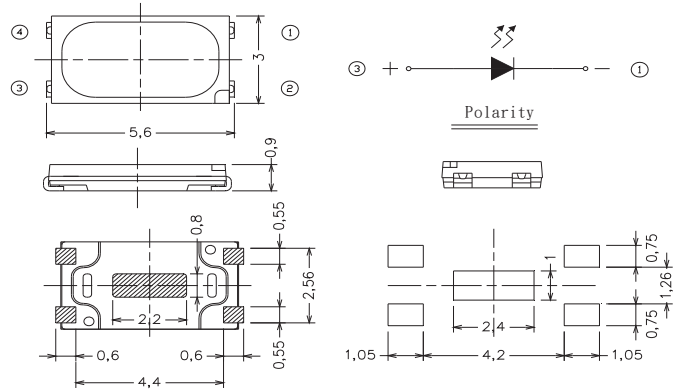


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
37-21S/KK3C-H6565M42N42936Z6/2T	2x1.6x0.6	○ Cool White	6500	23.5	80	2.9-3.6
37-21S/KK3C-H5757M42N42936Z6/2T	2x1.6x0.6	○ Cool White	5700	24.5	80	2.9-3.6
37-21S/KK3C-H5050M42N42936Z6/2T	2x1.6x0.6	○ Cool White	5000	24.5	80	2.9-3.6
37-21S/KK3C-H4040M41N42936Z6/2T	2x1.6x0.6	○ Neutral White	4000	23.5	80	2.9-3.6
37-21S/KK3C-H3030M4N42936Z6/2T	2x1.6x0.6	● Warm White	3000	22.5	80	2.9-3.6
37-21S/KK3C-H2727M31N32936Z6/2T	2x1.6x0.6	● Warm White	2700	21	80	2.9-3.6

Low Middle Power LED ■ 62-217B Series (5630 package, 0.2W / 0.5W)



UNIT : mm



0.2W / 60mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
62-217B/KK2C-H6565M3N4B2Z6/2T	5.6×3×0.9	○ Cool White	6500	20	80	2.9~3.6
62-217B/KK2C-H5757M3N4B2Z6/2T	5.6×3×0.9	○ Cool White	5700	20	80	2.9~3.6
62-217B/KK2C-H5050M3N4B2Z6/2T	5.6×3×0.9	○ Cool White	5000	20	80	2.9~3.6
62-217B/KK2C-H4040L9N3B2Z6/2T	5.6×3×0.9	○ Neutral White	4000	19	80	2.9~3.6
62-217B/KK2C-H3535L9N3B2Z6/2T	5.6×3×0.9	○ Neutral White	3500	19	80	2.9~3.6
62-217B/KK2C-H3030L9N3B2Z6/2T	5.6×3×0.9	○ Warm White	3000	19	80	2.9~3.6
62-217B/KK2C-H2727L8N3B2Z6/2T	5.6×3×0.9	○ Warm White	2700	18	80	2.9~3.6

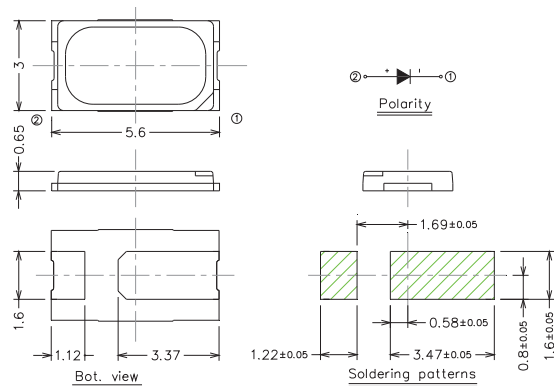
0.5W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
62-217B/KK2C-H6565R1R4B4Z2Z15/2T	5.6×3×0.9	○ Cool White	6500	52.5	80	2.8~3.5
62-217B/KK2C-H5757R1R4B4Z2Z15/2T	5.6×3×0.9	○ Cool White	5700	52.5	80	2.8~3.5
62-217B/KK2C-H5050R1R4B4Z2Z15/2T	5.6×3×0.9	○ Cool White	5000	52.5	80	2.8~3.5
62-217B/KK2C-H4040QAR3B4Z2Z15/2T	5.6×3×0.9	○ Neutral White	4000	47	80	2.8~3.5
62-217B/KK2C-H3535QAR3B4Z2Z15/2T	5.6×3×0.9	○ Neutral White	3500	47	80	2.8~3.5
62-217B/KK2C-H3030QAR3B4Z2Z15/2T	5.6×3×0.9	○ Warm White	3000	47	80	2.8~3.5
62-217B/KK2C-H2727PBR2B4Z2Z15/2T	5.6×3×0.9	○ Warm White	2700	42	80	2.8~3.5

Low Middle Power LED ■ 62-217D Series (5630 package, 0.2W / 0.5W)



UNIT : mm



0.2W / 60mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 60mA	CRI (min.)	Forward Voltage (V)
62-217D/KK2C-H6565M3N4B2Z6/2T	5.6×3×0.65	○Cool White	6500	20	80	2.9~3.6
62-217D/KK2C-H5757M3N4B2Z6/2T	5.6×3×0.65	○Cool White	5700	20	80	2.9~3.6
62-217D/KK2C-H5050M3N4B2Z6/2T	5.6×3×0.65	○Cool White	5000	20	80	2.9~3.6
62-217D/KK2C-H4040L9N3B2Z6/2T	5.6×3×0.65	○Neutral White	4000	19	80	2.9~3.6
62-217D/KK2C-H3030L9N3B2Z6/2T	5.6×3×0.65	●Warm White	3000	19	80	2.9~3.6
62-217D/KK2C-H2727L8M4B2Z6/2T	5.6×3×0.65	●Warm White	2700	18	80	2.9~3.6

0.5W / 150mA

Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
62-217D/KK3D-H6565R2R52835Z15/2T	5.6×3×0.65	○Cool White	6500	60	80	2.8~3.5
62-217D/KK3D-H5757R2R52835Z15/2T	5.6×3×0.65	○Cool White	5700	60	80	2.8~3.5
62-217D/KK3D-H5050R2R52835Z15/2T	5.6×3×0.65	○Cool White	5000	60	80	2.8~3.5
62-217D/KK3D-H4040R1R42835Z15/2T	5.6×3×0.65	○Neutral White	4000	54	80	2.8~3.5
62-217D/KK3D-H3030R1R42835Z15/2T	5.6×3×0.65	●Warm White	3000	54	80	2.8~3.5
62-217D/KK3D-H2727QAR32835Z15/2T	5.6×3×0.65	●Warm White	2700	48	80	2.8~3.5

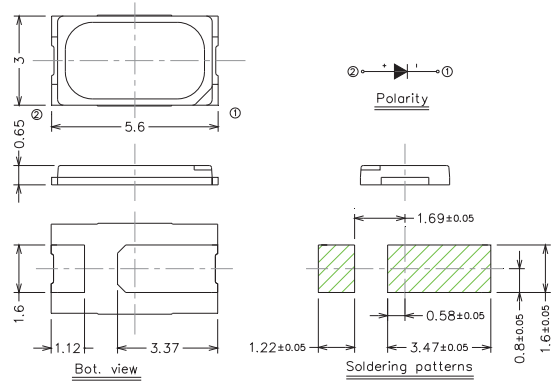
Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 150mA	CRI (min.)	Forward Voltage (V)
62-217D/KK4D-H6565R3R62835Z15/2T	5.6×3×0.65	○Cool White	6500	65	80	2.8~3.5
62-217D/KK4D-H5757R3R62835Z15/2T	5.6×3×0.65	○Cool White	5700	65	80	2.8~3.5
62-217D/KK4D-H5050R3R62835Z15/2T	5.6×3×0.65	○Cool White	5000	65	80	2.8~3.5
62-217D/KK4D-H4040R3R62835Z15/2T	5.6×3×0.65	○Neutral White	4000	65	80	2.8~3.5
62-217D/KK4D-H3030R2R52835Z15/2T	5.6×3×0.65	●Warm White	3000	60	80	2.8~3.5
62-217D/KK4D-H2727R1R42835Z15/2T	5.6×3×0.65	●Warm White	2700	54	80	2.8~3.5

Low Middle Power LED ■ 62-217D HV Series (5630 package, 0.1W)



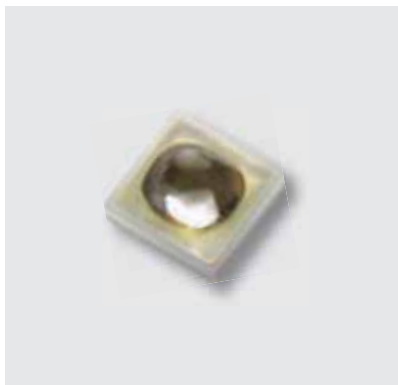
0.1W / 30mA

UNIT : mm

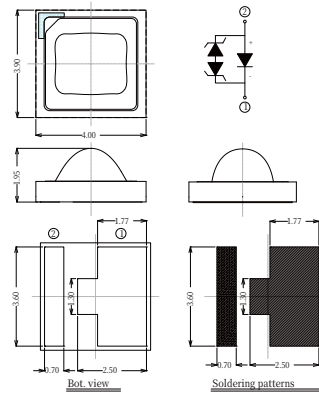


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm) @ 30mA	CRI (min.)	Forward Voltage (V)
62-257D/KK2D-H6565R1R4A4A7Z3/2T	5.6×3×0.65	○Cool White	6500	52.5	80	15V
62-257D/KK2D-H5757R1R4A4A7Z3/2T	5.6×3×0.65	○Cool White	5700	52.5	80	15V
62-257D/KK2D-H5050R1R4A4A7Z3/2T	5.6×3×0.65	○Cool White	5000	52.5	80	15V
62-257D/KK2D-H4040QAR3A4A7Z3/2T	5.6×3×0.65	○Neutral White	4000	47	80	15V
62-257D/KK2D-H3030QAR3A4A7Z3/2T	5.6×3×0.65	●Warm White	3000	47	80	15V
62-257D/KK2D-H2727PBR2A4A7Z3/2T	5.6×3×0.65	●Warm White	2700	42	80	15V

Flash LED | High Power Flash LED | Module Type



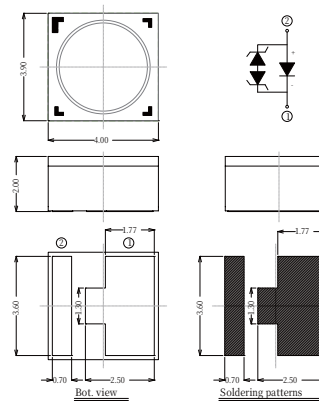
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Illuminance (lx)	Forward Voltage (V)	I _F (mA)
ELYU03-5070J5J7294310-N0	4x3.9x1.95	○ White	5000~7000	265	2.95~4.35	1000
ELYU03-5060J5J7294310-N0	4x3.9x1.95	○ White	5000~7000	265	2.95~4.35	1000



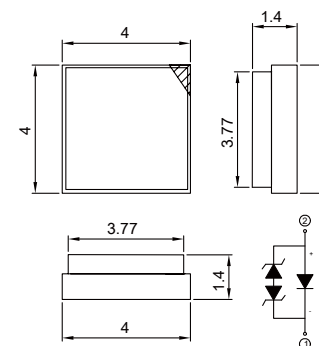
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lx)	Forward Voltage (V)	I _F (mA)
ELCU02-5070J6J7294310-N0	4x3.9x2	○ White	5000~7000	170	2.95~4.35	1000
ELCU02-5070J6J7294310-N0	4x3.9x2	○ White	5000~7000	170	2.95~4.35	1000



UNIT : mm

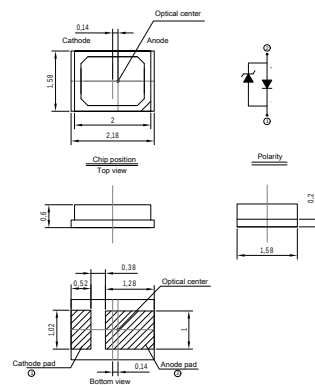


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lx)	Forward Voltage (V)	I _F (mA)
ELCU03-NF5060J3J5294110-E1S	4.0x4.0x1.4	○ White	5000~6000	170	2.95~3.95	1000
ELCU03-NF5060J6J8294110-E1S	4.0x4.0x1.4	○ White	5000~6000	260	2.95~3.95	1000

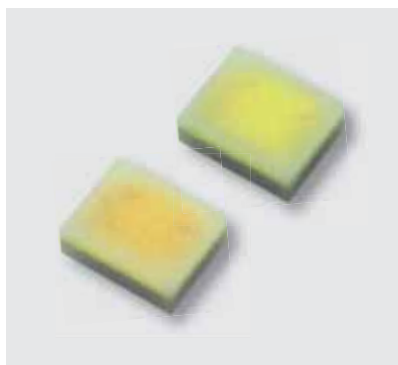
Flash LED ■ High Power Flash LED ■ 2016 Package Dual Type



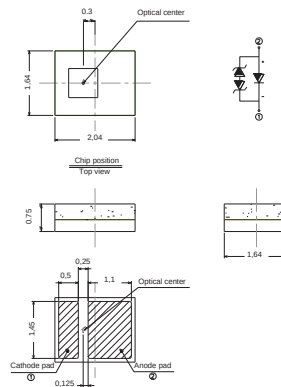
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELEM-2025F3F82838Z15-T4BN	2.18x1.58x0.6	● Warm White	2000~2500	45	2.85~3.85	150
ELEM-4555F4F92838Z15-T4BN	2.18x1.58x0.6	○ White	4500~5500	55	2.85~3.85	150



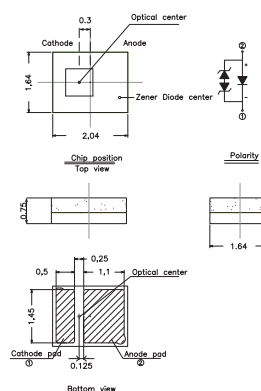
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH05-NB1924J4J6294310-N1S	2.04x1.64x0.75	● Warm White	1950~2450	140	2.95~4.35	1000
ELCH05-NB5060J4J6294310-N1S	2.04x1.64x0.75	○ White	5000~6000	160	2.95~4.35	1000



UNIT : mm

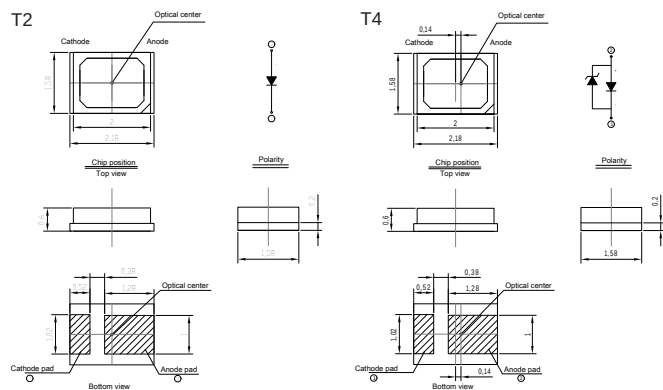


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH07-NB1924J5J7283910-P1M	2.04x1.64x0.75	● Warm White	1950~2450	210	2.85~3.95	1000
ELCH07-NB5565J6J7283910-P1S	2.04x1.64x0.75	○ White	5500~6500	230	2.85~3.95	1000
ELCH08-NB1924J6J8283910-F1M	2.04x1.64x0.75	● Warm White	1950~2450	240	2.85~3.95	1000
ELCH08-NB5565J6J8283910-F1S	2.04x1.64x0.75	○ White	5500~6500	260	2.85~3.95	1000

Flash LED | High Power Flash LED | 2016 Package



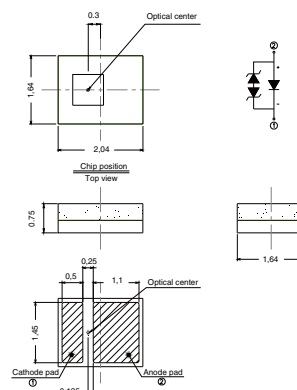
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELEM-5070E7F32838Z6-T2	2.18x1.58x0.6	○ White	5000~7000	22	2.8~3.85	60
ELEM-5070F4F92838Z15-T4	2.18x1.58x0.6	○ White	5000~7000	55	2.85~3.85	150



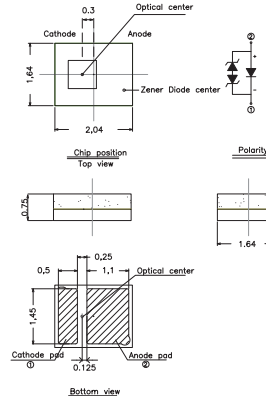
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH04-NF5070F9J329410S-N1S	2.04x1.64x0.75	○ White	5000~7000	110	2.95~4.15	500
ELCH05-NB5065J4J6294310-N1S	2.04x1.64x0.75	○ White	5000~6500	160	2.95~4.35	1000



UNIT : mm

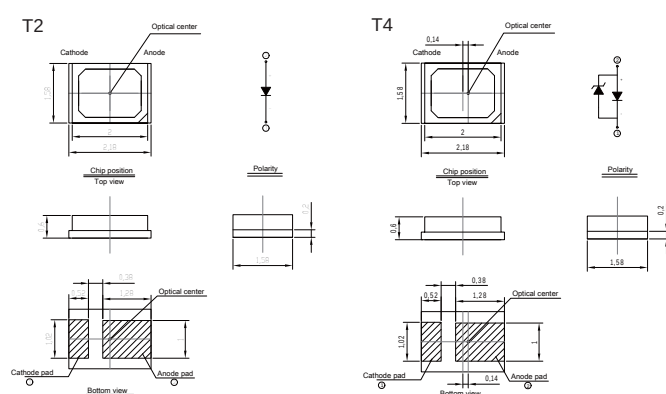


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH07-NB5060J6J7283910-P1S	2.04x1.64x0.75	○ White	5000~6000	250	2.85~3.95	1000
ELCH08-NB5060J6J7283910-F1S	2.04x1.64x0.75	○ White	5000~6000	270	2.85~3.95	1000
ELCH08-NB5060J7J8283910-F1S	2.04x1.64x0.75	○ White	5000~6000	300	2.85~3.95	1000

Flash LED | High Power Flash LED | 2016 Package HCRI Type



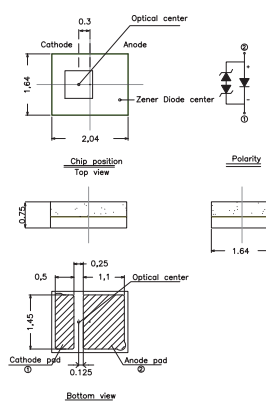
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELEM-KB4060E6F22838Z6-T2S	2.18x1.58x0.6	○ White	4000~6000	18	2.8~3.85	60
ELEM-KB4060F3F82838Z15-T4S	2.18x1.58x0.6	○ White	4000~6000	50	2.85~3.85	150



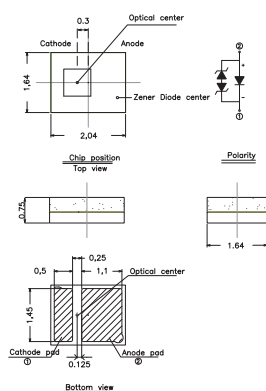
UNIT : mm



Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH03-KB4050F6F8284103-N1S	2.04x1.64x0.75	○ White	4000~5000	75	2.8~4.15	350



UNIT : mm

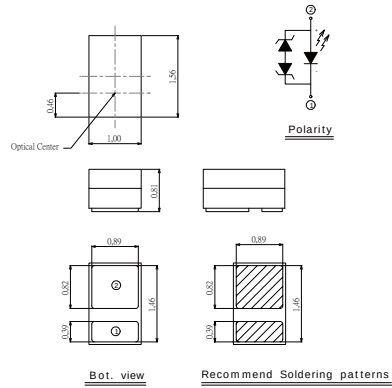


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELCH08-KB4050J6J7283910-F1S	2.04x1.64x0.75	○ White	4000~5000	250	2.85~3.95	1000

Flash LED ■ High Power Flash LED ■ 2016 Package HCRI Type



UNIT : mm

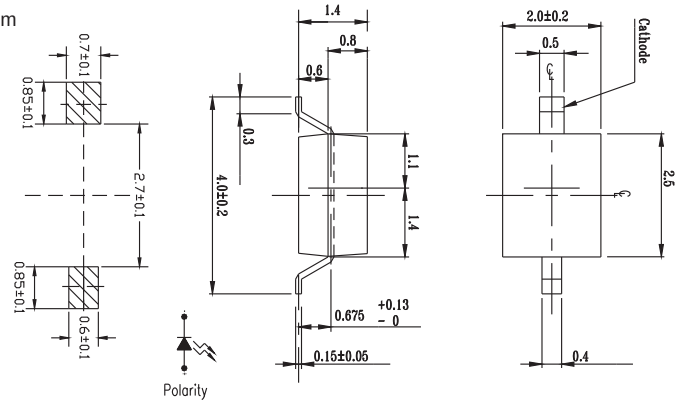


Product	Size (LxWxHmm)	Color	CCT (K)	Typ. Luminous Flux (lm)	Forward Voltage (V)	I _F (mA)
ELAT07-KB4050J5J7293910-F1S	2.04x1.64x0.75	○ White	4000~5000	180	2.85~3.95	1000

SMD LED ■ Subminiature LED Lamps (Leadframe)



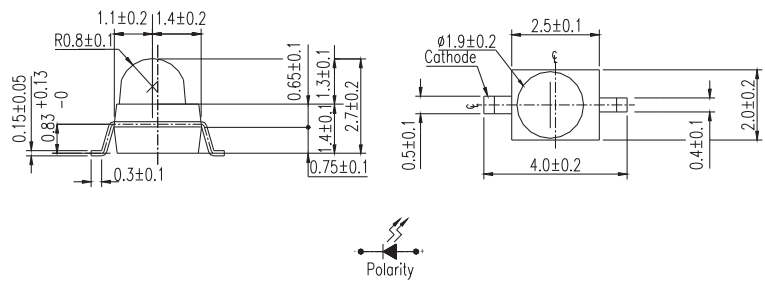
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Typ. (V)	V_F Max. (V)	I_F (mA)
28-21SDRC/S530-A3/TR8	2.5x2x1.4	Deep Red	639	20 / 27	N	1.7	2	2.4	20
28-21SURC/S530-A2/TR8	2.5x2x1.4	Hyper Red	624	11 / 26	N	N	2	2.4	20
28-21UYC/S530-A3/TR8	2.5x2x1.4	Super Yellow	589	21 / 33	N	N	2	2.4	20



UNIT : mm

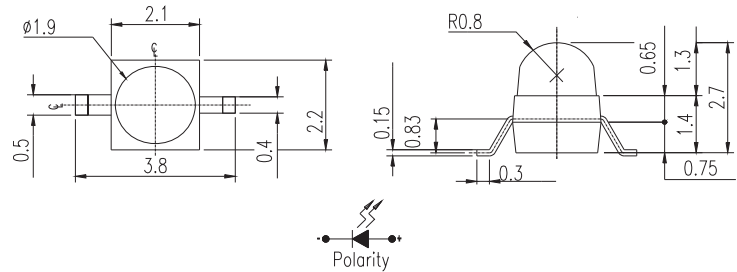


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Typ. (V)	V_F Max. (V)	I_F (mA)
91-21SUBC/S400-A4/TR7	2x2.5x2.7	Super Blue	470	400 / 500	N	N	3.5	4.3	20
91-21SUGC/S400-A4/TR7	2x2.5x2.7	Super Green	525	2000 / 2300	N	N	3.5	4.3	20
91-21SURC/S530-A6/TR7	2x2.5x2.7	Hyper Red	624	802 / 1232	N	N	2	2.4	20
91-21SYGC/S530-E4/TR7	2x2.5x2.7	Super Yellow Green	573	528 / 594	N	N	2	2.4	20
91-21UBC/C430/TR7	2x2.5x2.7	Blue	466	160 / 203	N	N	3.8	4.5	20
91-21USRC/S530-A4/TR7	2x2.5x2.7	Dark Red	631	344 / 578	N	N	2	2.4	20

SMD LED ■ Subminiature LED Lamps (Leadframe)



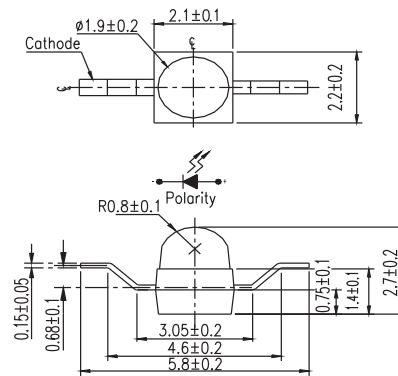
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Typ. (V)	V_F Max. (V)	I_F (mA)
95-21SUGC/S400-A4/TR7	2.1x2.2x2.7	● Super Green	525	2000 / 2300	N	N	3.5	4.3	20
95-21SYGC/S530-E2/TR7	2.1x2.2x2.7	● Brilliant Yellow Green	573	264 / 330	N	1.7	2	2.4	20
95-21USRD/S357/TR7	2.1x2.2x2.7	● Dark Red	631	45 / 100	N	N	2	2.4	20
95-21UYC/S530-A5/TR7	2.1x2.2x2.7	● Super Yellow	589	793 / 1156	N	N	2	2.4	20



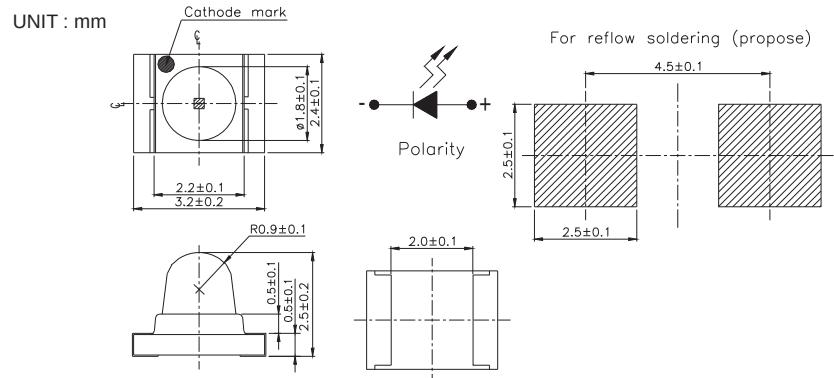
UNIT : mm



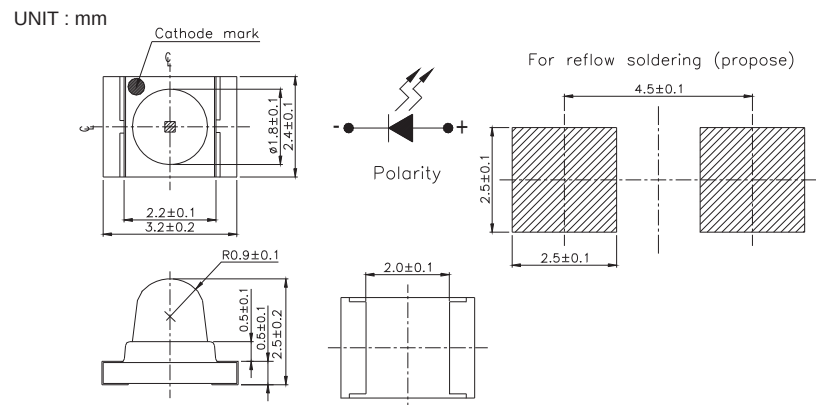
95-21F10/TR10

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Typ. (V)	V_F Max. (V)	I_F (mA)
95-21SDRC/S530-A3/TR10	2.1x2.2x2.7	● Brilliant Red	639	330 / 495	N	1.7	2	2.4	20
95-21SUBC/S400-A5/TR10	2.1x2.2x2.7	● Super Blue	470	500 / 800	N	N	3.5	4.3	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View LED



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
42-21/BHC-AUW/1T	3.2x2.4x2.5	Blue	470	450	1800	2.7 / 3.3	3.7	20

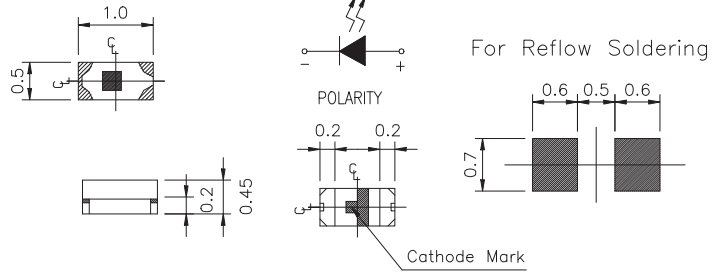


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
42-21A/BHC-ZV1W2N/1T	3.2x2.4x2.5	Blue	470	715	1800	2.65	3.75	20
42-21A/GHC-YX1Y2N/1T	3.2x2.4x2.5	Brilliant Green	525	1800	4500	2.7	3.7	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0402 (0.2T~0.5T)



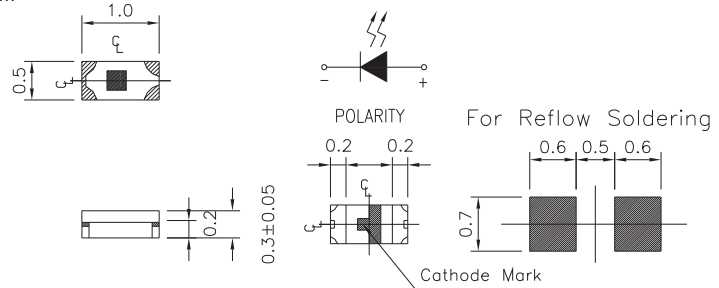
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
16-213/BHC-AN1P2/3T	1x0.5x0.45	Blue	470	28.5	72	2.7 / 3.3	3.7	20
16-213/BHC-ZL1M2QY/3T	1x0.5x0.45	Blue	470	11.5	28.5	2.7	3.2	5
16-213/GHC-YR1S1/3T	1x0.5x0.45	Brilliant Green	525	112	225	2.7 / 3.3	3.7	20
16-213/R6C-A2225VZ/3T	1x0.5x0.45	Brilliant Red	624	20	40.5	1.7	2.2	10
16-213/T3D-AP1Q2QY/3T	1x0.5x0.45	○ Pure White	x=0.29, y=0.30	45	112	2.7	3.2	5
16-213/T7D-AQ1R1QY/3T	1x0.5x0.45	○ Pure White	x=0.29, y=0.30	72	140	2.7	3.2	5



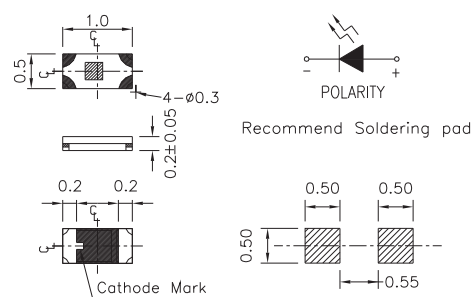
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
16-216/T3D-AQ1R2TY/3T	1x0.5x0.3	○ Pure White	x=0.29, y=0.30	72	180	2.6	3	5



UNIT : mm

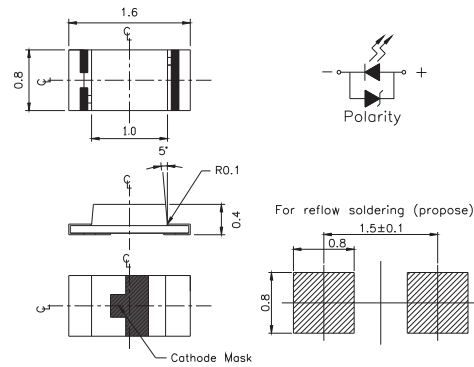


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
16-219A/T2D-AR2T1QY/3T	1x0.5x0.2	○ Pure White	x=0.29, y=0.30	140	360	2.7	3.2	5

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0603 (0.2T~0.8T)



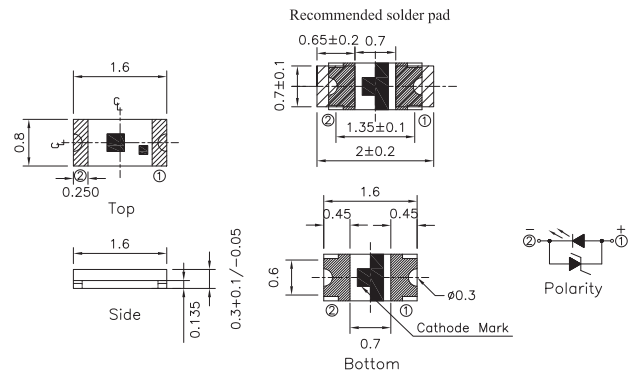
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-117/BHC-YJ2K2TX/3T	1.6x0.8x0.4	● Blue	470	5.8	11.5	2.6	3	2
19-117/BHC-ZL1M2RY/3T	1.6x0.8x0.4	● Blue	470	11.5	28.5	2.5	3.1	5
19-117/T1D-AP2Q2QY/3T	1.6x0.8x0.4	○ Pure White	x=0.274, y=0.226	57	112	2.7	3.2	5



UNIT : mm

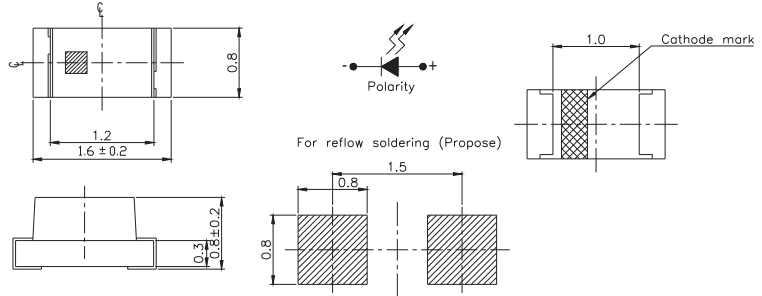


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-118/BHC-ZL1M2QY/3T	1.6x0.8x0.3	● Blue	470	11.5	28.5	2.7	3.2	5

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0603 (0.2T~0.8T)



UNIT : mm

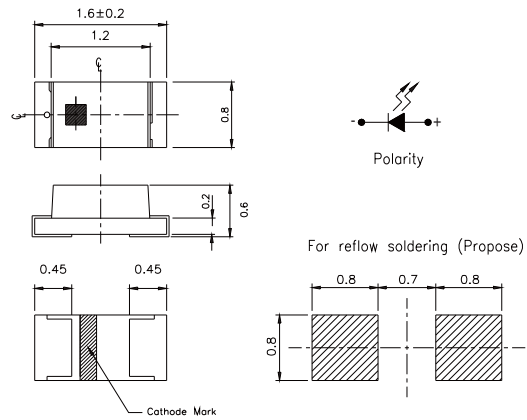


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./ Typ. (V)	V_F Max. (V)	I_F (mA)
19-21/B6C-AP2Q2M/3T	1.6x0.8x0.8	● Blue	470	57	112	2.75	3.95	20
19-21/BHC-AP1Q2/3T	1.6x0.8x0.8	● Blue	470	45	112	2.7 / 3.3	3.7	20
19-21/BHC-YL1M1RY/3T	1.6x0.8x0.8	● Blue	470	11.5	22.5	2.5	3.1	5
19-21/BHC-ZQ1R2N/3T	1.6x0.8x0.8	● Blue	470	72	180	2.7	3.7	20
19-21/G6C-AL1M2LY/3T	1.6x0.8x0.8	● Brilliant Yellow Green	573	11.5	28.5	1.7	2.3	5
19-21/G6C-FM1N2B/3T	1.6x0.8x0.8	● Brilliant Yellow Green	573	18	45	1.75	2.35	20
19-21/G6C-FP1Q1L/3T	1.6x0.8x0.8	● Brilliant Yellow Green	573	45	90	1.7	2.3	20
19-21/GHC-YN1P2QY/3T	1.6x0.8x0.8	● Brilliant Green	525	28.5	72	2.7	3.2	5
19-21/GPC-FL1M2B/3T	1.6x0.8x0.8	● Green	562	11.5	28.5	1.75	2.35	20
19-21/R6C-AL2N1VY/3T	1.6x0.8x0.8	● Brilliant Red	624	14.5	36	1.7	2.2	5
19-21/R6C-FP1Q2L/3T	1.6x0.8x0.8	● Brilliant Red	624	45	112	1.7	2.3	20
19-21/R7C-AK1L2BY/3T	1.6x0.8x0.8	● Deep Red	631	7.2	18	1.75	2.35	5
19-21/R7C-AN2Q1B/3T	1.6x0.8x0.8	● Deep Red	631	36	90	1.75	2.35	20
19-21/R8C-FN2Q1L/3T	1.6x0.8x0.8	● Deep Red	639	36	90	1.7	2.3	20
19-21/S2C-AL2M2VY/3T	1.6x0.8x0.8	● BrilliantOrange	605	14.5	28.5	1.7	2.2	5
19-21/S2C-AQ1R2B/3T	1.6x0.8x0.8	● BrilliantOrange	605	72	180	1.75	2.35	20
19-21/T1D-ANPHY/3T	1.6x0.8x0.8	○ Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
19-21/T1D-CPQTY/3T	1.6x0.8x0.8	○ Pure White	x=0.274, y=0.226	45	112	2.6	3	5
19-21/W1D-ANPHY/3T	1.6x0.8x0.8	○ Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
19-21/Y2C-AL1M2VY/3T	1.6x0.8x0.8	● Brilliant Yellow	589	11.5	28.5	1.7	2.2	5
19-21/Y2C-CP1Q2B/3T	1.6x0.8x0.8	● Brilliant Yellow	589	45	112	1.75	2.35	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0603 (0.2T~0.8T)



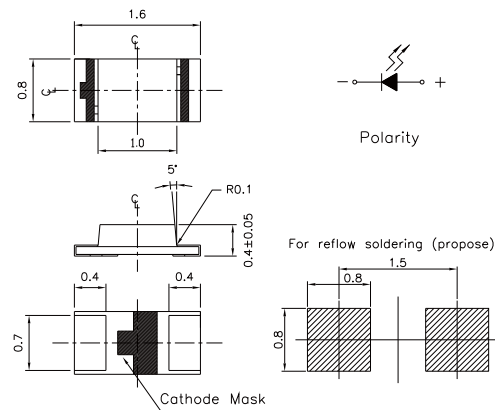
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-213A/T1D-CP2Q2HY/3T	1.6x0.8x0.6	○ Pure White	x=0.274, y=0.226	57	112	2.7	3.15	5



UNIT : mm

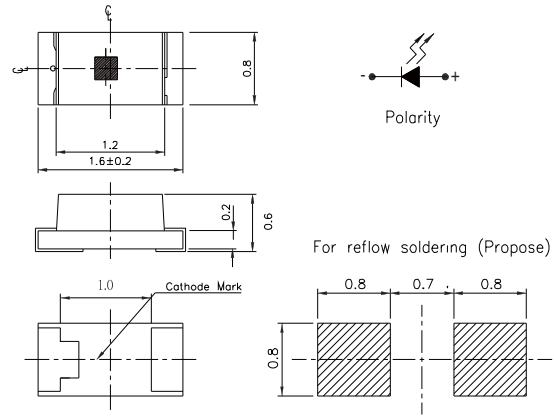


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-217/B9C-ANQE/3T	1.6x0.8x0.4	● Blue	470	28.5	112	2.75	3.65	20
19-217/BHC-AN1P2/3T	1.6x0.8x0.4	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
19-217/BHC-XK1L2B1X/3T	1.6x0.8x0.4	● Blue	470	7.2	18	2.6	2.9	2
19-217/BHC-YL2M2TY/3T	1.6x0.8x0.4	● Blue	470	14.5	28.5	2.6	3	5
19-217/G7C-AL1M2B/3T	1.6x0.8x0.4	● Brilliant Yellow Green	573	11.5	28.5	1.75	2.35	20
19-217/GHC-YR1S2/3T	1.6x0.8x0.4	● Brilliant Green	525	112	285	2.7 / 3.3	3.7	20
19-217/R6C-P1Q2/3T	1.6x0.8x0.4	● Brilliant Red	624	45	112	1.7 / 2	2.4	20
19-217/S2C-AL1M2VY/3T	1.6x0.8x0.4	● Brilliant Orange	605	11.5	28.5	1.7	2.2	5
19-217/S3C-AL2N1VY/3T	1.6x0.8x0.4	● Reddish Orange	615	14.5	36	1.7	2.2	5
19-217/T1D-ANPHY/3T	1.6x0.8x0.4	○ Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
19-217/T1D-JP1Q2QY/3T	1.6x0.8x0.4	○ Pure White	x=0.274, y=0.226	45	112	2.7	3.2	5
19-217/W1D-CPQTY/3T	1.6x0.8x0.4	○ Pure White	x=0.274, y=0.226	45	112	2.6	3	5
19-217/Y5C-AM1N1VY/3T	1.6x0.8x0.4	● Brilliant Yellow	589	16	40	1.65	2.25	5
19-217/Y5C-APQB/3T	1.6x0.8x0.4	● Brilliant Yellow	589	45	112	1.75	2.35	20
19-217/Y5C-AQ2R2/3T	1.6x0.8x0.4	● Brilliant Yellow	589	90	180	1.7 / 2	2.4	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0603 (0.2T~0.8T)

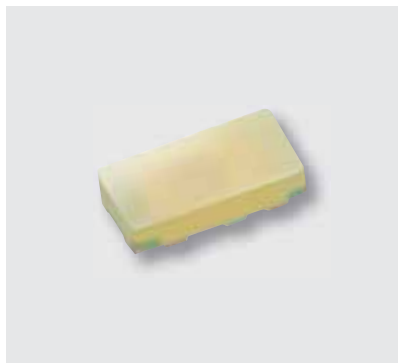


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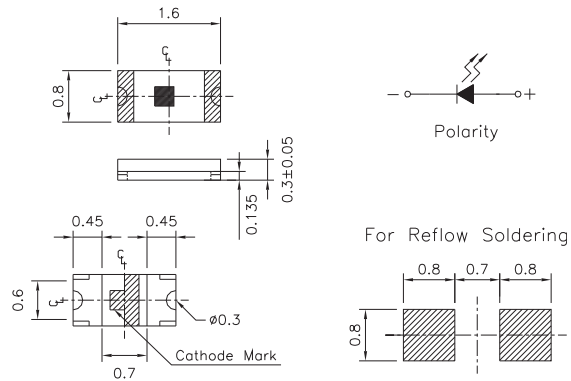


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./ Typ. (V)	V_F Max. (V)	I_F (mA)
19-213 /Y2C-CQ1R2/3T	1.6x0.8x0.6	● Brilliant Yellow	589	72	180	1.7 / 2	2.4	20
19-213/B7C-AQ2S1B2/3T	1.6x0.8x0.6	● Blue	470	90	225	2.9	3.6	20
19-213/BHC-AN1P2/3T	1.6x0.8x0.6	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
19-213/G6C-AP1Q2/3T	1.6x0.8x0.6	● Brilliant Yellow Green	573	45	112	2	2.4	20
19-213/G6C-BM1N2B/3T	1.6x0.8x0.6	● Brilliant Yellow Green	573	18	45	1.75	2.35	20
19-213/G6C-FN2Q1L/3T	1.6x0.8x0.6	● Brilliant Yellow Green	573	36	90	1.7	2.3	20
19-213/G6W-FN1P1B/3T	1.6x0.8x0.6	● Brilliant Yellow Green	573	28.5	57	1.75	2.35	20
19-213/GHC-XS1T1N/3T	1.6x0.8x0.6	● Brilliant Green	525	180	360	2.7	3.7	20
19-213/GHC-YP1Q2QY/3T	1.6x0.8x0.6	● Brilliant Green	525	45	112	2.7	3.2	5
19-213/GHC-YR1S2/3T	1.6x0.8x0.6	● Brilliant Green	525	112	285	3.5	4	20
19-213/R6C-AM2P1VY/3T	1.6x0.8x0.6	● Brilliant Red	624	22.5	57	1.7	2.2	5
19-213/R6C-AN1P2/3T	1.6x0.8x0.6	● Brilliant Red	624	28.5	72	1.7 / 2	2.4	20
19-213/R6C-AN2Q1B/3T	1.6x0.8x0.6	● Brilliant Red	624	36	90	1.75	2.35	20
19-213/R6C-AP1Q2B/3T	1.6x0.8x0.6	● Brilliant Red	624	45	112	1.75	2.35	20
19-213/R6C-AQ1R2B/3T	1.6x0.8x0.6	● Brilliant Red	624	72	180	1.75	2.35	20
19-213/R8C-FN1P2/3T	1.6x0.8x0.6	● Deep Red	639	28.5	72	1.7 / 2	2.4	20
19-213/S2C-AN1P2B/3T	1.6x0.8x0.6	● Brilliant Orange	605	28.5	72	1.75	2.35	20
19-213/S3C-AN2P2B/3T	1.6x0.8x0.6	● Reddish Orange	615	36	72	1.75	2.35	20
19-213/T1D-ANPHY/3T	1.6x0.8x0.6	○ Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
19-213/Y2C-AP1Q2B/3T	1.6x0.8x0.6	● Brilliant Yellow	589	45	112	1.75	2.35	20
19-213/Y2C-CN1P2/3T	1.6x0.8x0.6	● Brilliant Yellow	589	28.5	72	1.7 / 2	2.4	20
19-213/Y2C-CP1Q2L/3T	1.6x0.8x0.6	● Brilliant Yellow	589	45	112	1.7	2.3	20
19-213/Y2C-CQ2R2L/3T	1.6x0.8x0.6	● Brilliant Yellow	589	90	180	1.7	2.3	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0603 (0.2T~0.8T)



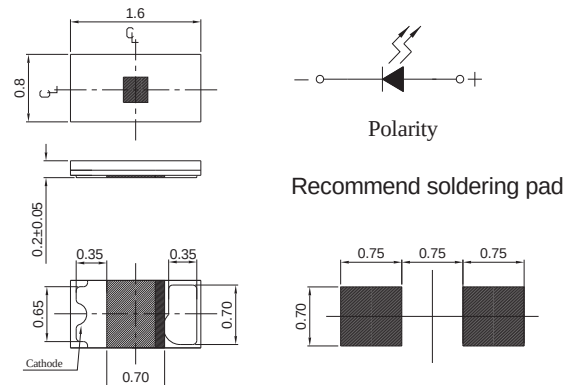
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-218/BHC-ZL1M2QY/3T	1.6x0.8x0.3	● Blue	470	11.5	28.5	2.7	3.2	5
19-218/GHC-YR1S2M/3T	1.6x0.8x0.3	● Brilliant Green	525	112	285	2.75	3.95	20
19-218/R6C-AL1M2VY/3T	1.6x0.8x0.3	● Brilliant Red	624	11.5	28.5	1.7	2.2	5
19-218/R6C-FM2P1B7Y/3T	1.6x0.8x0.3	● Brilliant Red	624	22.5	57	1.7	2	5
19-218/T1D-CQ2R2TY/3T	1.6x0.8x0.3	○ Pure White	x=0.274, y=0.226	90	180	2.6	3	5



UNIT : mm

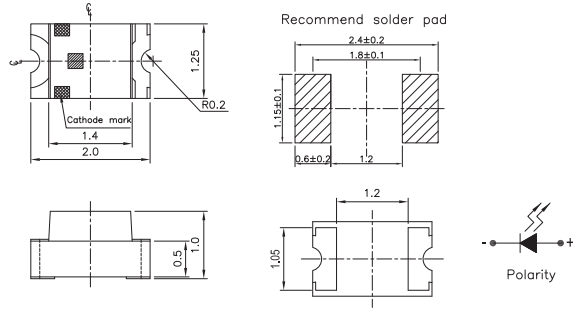


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-219/T3D-AQ2R2TY/3T	1.6x0.8x0.2	○ Pure White	x=0.274, y=0.226	90	180	2.6	3	5
19-219/T7D-AV1W1E/3T	1.6x0.8x0.2	○ Pure White	x=0.274, y=0.226	715	1420	2.75	3.65	20
19-219/Y5C-AM1N2VY/3T	1.6x0.8x0.2	● Brilliant Yellow	589	18	45	1.7	2.2	5

SMD LED | Surface Mount Chip LED (PCB) | Top View 0805



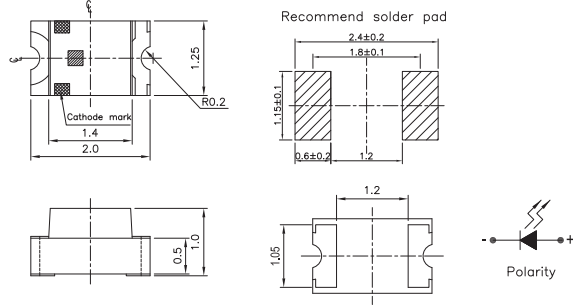
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
17-11/BHC-AN1P2/3T	2x1.25x1	Blue	470	28.5	72	2.7 / 3.3	3.7	20



UNIT : mm

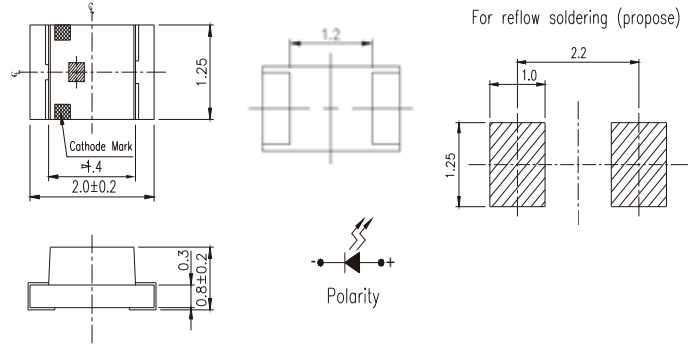


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
17-21/BHC-AN1P2/3T	2x1.25x1	Blue	470	28.5	72	3.5	4	20
17-21/BHC-AP1Q2/3T	2x1.25x1	Blue	470	45	112	2.7 / 3.3	3.7	20
17-21/BHC-XLMJY/3T	2x1.25x1	Blue	470	11.5	28.5	2.7	3.1	5
17-21/G6C-AN1P1B/3T	2x1.25x1	Brilliant Yellow Green	573	28.5	57	1.75	2.35	20
17-21/G6C-AP1Q1B/3T	2x1.25x1	Brilliant Yellow Green	573	45	90	1.75	2.35	20
17-21/G6C-FM1N2B/3T	2x1.25x1	Brilliant Yellow Green	573	18	45	1.75	2.35	20
17-21/G6C-FN1P2B/3T	2x1.25x1	Brilliant Yellow Green	573	28.5	72	1.75	2.35	20
17-21/G6C-FP1Q1B/3T	2x1.25x1	Brilliant Yellow Green	573	45	90	1.75	2.35	20
17-21/GHC-XS1T2M/3T	2x1.25x1	Brilliant Green	525	180	450	2.75	3.95	20
17-21/GHC-YR1S2/3T	2x1.25x1	Brilliant Green	525	112	285	3.5	4	20
17-21/GPC-AK0M1B/3T	2x1.25x1	Green	562	7.2	22.5	1.75	2.35	20
17-21/GVC-AMPB/3T	2x1.25x1	Green	565	18	72	1.75	2.35	20
17-21/R6C-AN2Q1B/3T	2x1.25x1	Brilliant Red	624	36	90	1.75	2.35	20
17-21/R6C-AP1Q2L/3T	2x1.25x1	Brilliant Red	624	45	112	1.7	2.3	20
17-21/R7C-AN2Q1B/3T	2x1.25x1	Deep Red	631	36	90	1.75	2.35	20
17-21/S2C-AN1P2B/3T	2x1.25x1	Brilliant Orange	605	28.5	72	1.75	2.35	20
17-21/S2C-AP1Q2B/3T	2x1.25x1	Brilliant Orange	605	45	112	1.75	2.35	20
17-21/T1D-ANPHY/3T	2x1.25x1	Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
17-21/T1D-CP2R1TY/3T	2x1.25x1	Pure White	x=0.274, y=0.226	57	140	2.6	3	5
17-21/T1D-KN2P2HY/3T	2x1.25x1	Pure White	x=0.274, y=0.226	36	72	2.7	3.15	5
17-21/W1D-APQHY/3T	2x1.25x1	Pure White	x=0.274, y=0.226	45	112	2.7	3.15	5
17-21/Y2C-AN1P2/3T	2x1.25x1	Brilliant Yellow	589	28.5	72	1.7 / 2	2.4	20
17-21/Y2C-CN1P2B/3T	2x1.25x1	Brilliant Yellow	589	28.5	72	1.75	2.35	20
17-21/Y2C-CP2Q2B/3T	2x1.25x1	Brilliant Yellow	589	57	112	1.75	2.35	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 0805

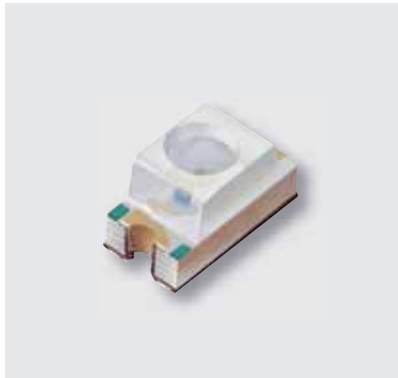


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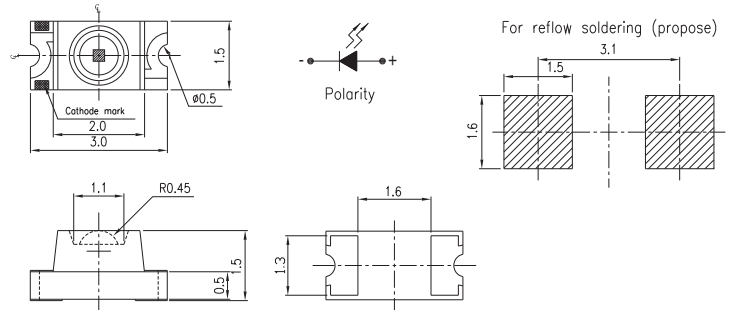


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
17-215/B6C-YP2R2/3T	2x1.25x0.8	● Blue	470	57	180	2.7 / 3.0	3.7	20
17-215/BHC-AN1P2/3T	2x1.25x0.8	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
17-215/BHC-BP2Q2M/3T	2x1.25x0.8	● Blue	470	57	112	2.75	3.95	20
17-215/G6C-BM1N2L/3T	2x1.25x0.8	● Brilliant Yellow Green	573	18	45	1.7	2.3	20
17-215/G6C-FN2P2B/3T	2x1.25x0.8	● Brilliant Yellow Green	573	36	72	1.75	2.35	20
17-215/R6C-AQ1R2B/3T	2x1.25x0.8	● Brilliant Red	624	72	180	1.75	2.35	20
17-215/S2C-AQ1R2B/3T	2x1.25x0.8	● Brilliant Orange	605	72	180	1.75	2.35	20
17-215/S2C-CP2R1B/3T	2x1.25x0.8	● Brilliant Orange	605	57	180	1.75	2.35	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 1206



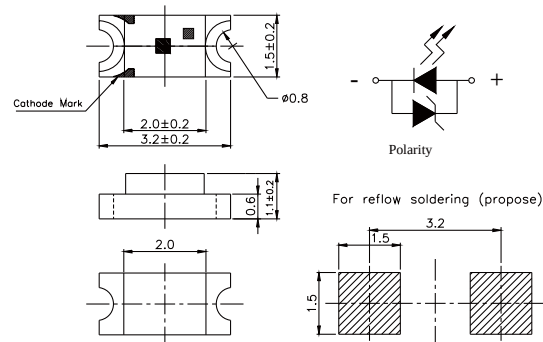
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
11-21/BHC-AP2R1/2T	3x1.5x1.5	● Blue	470	57	140	3.5	4.3	20
11-21/BHC-YR1S1/2T	3x1.5x1.5	● Blue	470	112	225	2.7 / 3.3	3.7	20
11-21/G6C-BQ1R2B/2T	3x1.5x1.5	● Brilliant Yellow Green	573	72	180	1.75	2.35	20
11-21/G6C-FN2P2B/2T	3x1.5x1.5	● Brilliant Yellow Green	573	36	72	1.75	2.35	20
11-21/GHC-YT1U2/2T	3x1.5x1.5	● Brilliant Green	525	285	715	3.5 / 4.3	--	20
11-21/R6C-AP1Q2LZ/2T	3x1.5x1.5	● Brilliant Red	624	45	112	1.7	2.3	10
11-21/R6C-AR2S2B/2T	3x1.5x1.5	● Brilliant Red	624	140	285	1.75	2.35	20
11-21/Y2C-CP2Q2B/2T	3x1.5x1.5	● Brilliant Yellow	589	57	112	1.75	2.35	20



UNIT : mm

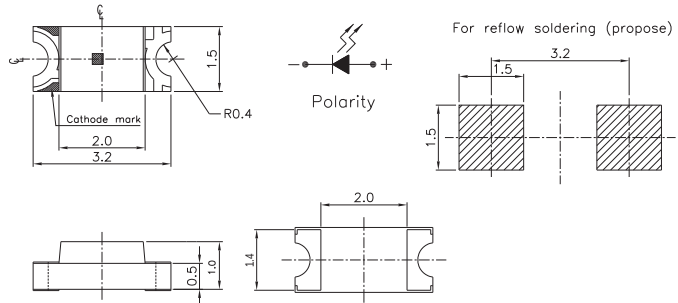


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
15-11/BHC-AN1P2/2T	3.2x1.5x1	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
15-11/BHC-ZL2N1QY/2T	3.2x1.5x1	● Blue	470	14.5	36	2.7	3.2	5
15-11/W1D-APQHY/2T	3.2x1.5x1	○ Pure White	x=0.274, y=0.226	45	112	2.7	3.15	5

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View 1206



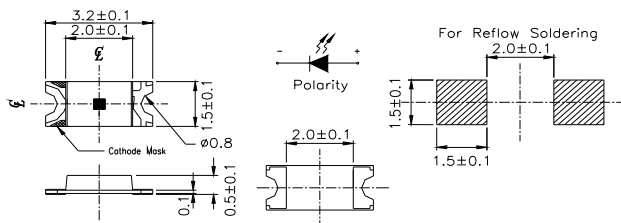
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
15-21/B6C-YR1S2B2/2T	3.2x1.5x1	Blue	470	112	285	2.9	3.6	20
15-21/B6C-ZQ1R1N/2T	3.2x1.5x1	Blue	470	72	140	2.7	3.7	20
15-21/BHC-AN1P2/2T	3.2x1.5x1	Blue	470	28.5	72	2.7 / 3.3	3.7	20
15-21/G6C-BK1L2VY/2T	3.2x1.5x1	Brilliant Yellow Green	573	7.2	18	1.7	2.2	5
15-21/G6C-FM1N2B/2T	3.2x1.5x1	Brilliant Yellow Green	573	18	45	1.75	2.35	20
15-21/G6C-FP1Q1L/2T	3.2x1.5x1	Brilliant Yellow Green	573	45	90	1.7	2.3	20
15-21/GHC-R2S2/2T	3.2x1.5x1	Brilliant Green	525	140	285	2.7 / 3.3	3.7	20
15-21/GHC-YR1S1/2T	3.2x1.5x1	Brilliant Green	525	112	225	3.5	3.7	20
15-21/R6C-AN1P2/2T	3.2x1.5x1	Brilliant Red	624	28.5	72	1.7 / 2	2.4	20
15-21/R6C-FQ1R1B/2T	3.2x1.5x1	Brilliant Red	624	72	140	1.75	2.35	20
15-21/S2C-AL2M2VY/2T	3.2x1.5x1	Brilliant Orange	605	14.5	28.5	1.7	2.2	5
15-21/S2C-AQ2R2B/2T	3.2x1.5x1	Brilliant Orange	605	90	180	1.75	2.35	20
15-21/S3C-AP1Q2/2T	3.2x1.5x1	Reddish Orange	615	45	112	1.7 / 2.0	2.4	20
15-21/T1D-CP1Q2TY/2T	3.2x1.5x1	○ Pure White	x=0.274, y=0.226	45	112	2.6	3	5
15-21/T7D-JQ2S1PY/2T	3.2x1.5x1	○ Pure White	x=0.274, y=0.226	90	225	2.7	3.3	5
15-21/W1D-APQHY/2T	3.2x1.5x1	○ Pure White	x=0.274, y=0.226	45 / 72	112	2.7 / 2.9	3.15	5
15-21/Y2C-AN1P2/2T	3.2x1.5x1	Brilliant Yellow	589	28.5	72	1.7 / 2	2.4	20
15-21/Y2C-CP1Q2B/2T	3.2x1.5x1	Brilliant Yellow	589	45	112	1.75	2.35	20



UNIT : mm

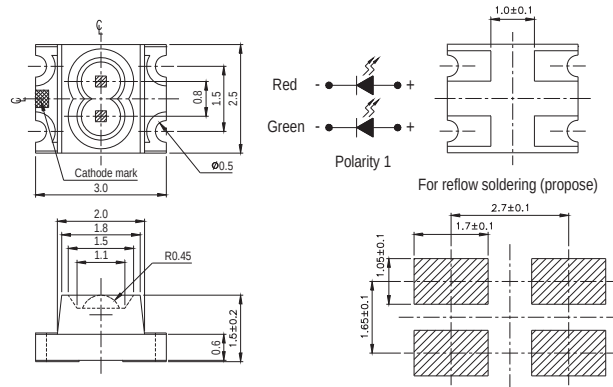


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
15-215/G7C-BN1P2B/2T	3.2x1.5x0.5	Brilliant Yellow Green	573	28.5	72	1.75	2.35	20
15-215/R6C-AM2P1VY/2T	3.2x1.5x0.5	Brilliant Red	624	22.5	57	1.7	2.2	5
15-215/R6C-AP1Q1L/2T	3.2x1.5x0.5	Brilliant Red	624	45	90	1.7	2.3	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View Bi-Color



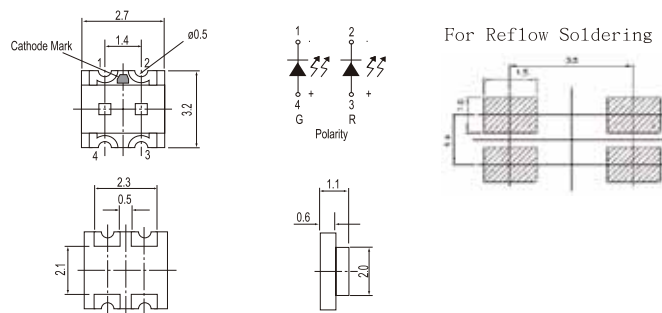
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
11-22/R6G6C-A01/2T	3x2.5x1.5	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 140 G6 : 45	R6 : 225 G6 : 72	1.7 / 2	2.4	20
11-22/R6G6C-QSANP/2T	3x2.5x1.5	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 72 G6 : 28.5	R6 : 285 G6 : 72	2	2.4	20
11-22/R6SGAC-A30/2T	3x2.5x1.5	● Brilliant Red ● Brilliant Yellow Green	R6S : 624 SG : 565	R6S : 450 SG : 715	R6S : 1120 SG : 1800	R6S : 1.7 / 2 SG : 2.7 / 3.3	R6S : 2.4 SG : 3.7	20



UNIT : mm

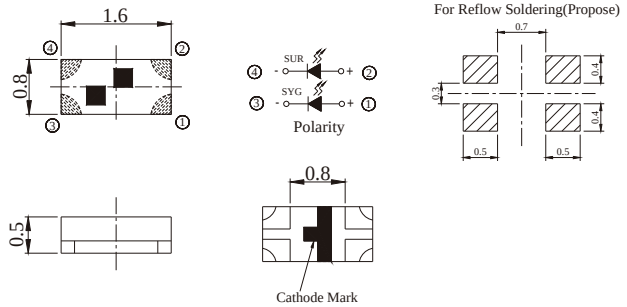


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
15-22/R6G6C-A32/2T	3.2x2.7x1.1	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 28.5 G6 : 28.5	R6 : 72 G6 : 72	R6 : 1.7 / 2 G6 : 1.7 / 2	R6 : 2.4 G6 : 2.4	20
15-22/R6GHC-A01/2T	3.2x2.7x1.1	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 GH : 525	R6 : 90 / 130 GH : 112 / 165	---	R6 : 1.7 / 2 GH : 2.7 / 3.3	R6 : 2.4 GH : 3.7	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View Bi-Color



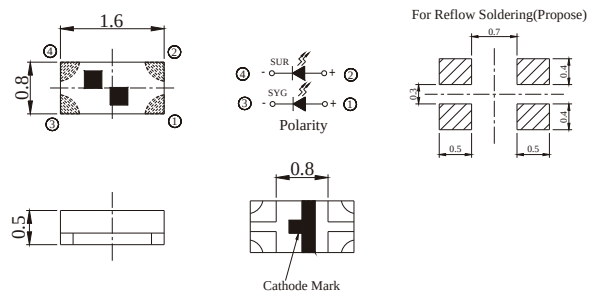
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
18-225/B6R6C-C01/3T	1.6x0.8x0.5	● Blue	B6 : 470	B6 : 18 / 28.5	-	B6 : 2.7 / 3.3	B6 : 3.7	5
		● Brilliant Red	R6 : 624	R6 : 18 / 28.5	-	R6 : 1.7 / 2.0	R6 : 2.4	
18-225/R6G6C-A01/3T	1.6x0.8x0.5	● Brilliant Red	R6 : 624	R6 : 45	R6 : 112	R6 : 1.7 / 2	R6 : 2.4	20
		● Brilliant Yellow Green	G6 : 573	G6 : 28.5	G6 : 72	G6 : 1.7 / 2	G6 : 2.4	
18-225/S2G6C-A01/3T	1.6x0.8x0.5	● Brilliant Orange	S2 : 605	S2 : 32 / 48	-	S2 : 1.7 / 2	S2 : 2.4	20
		● Brilliant Yellow Green	G6 : 573	G6 : 16 / 24	-	G6 : 1.7 / 2	G6 : 2.4	



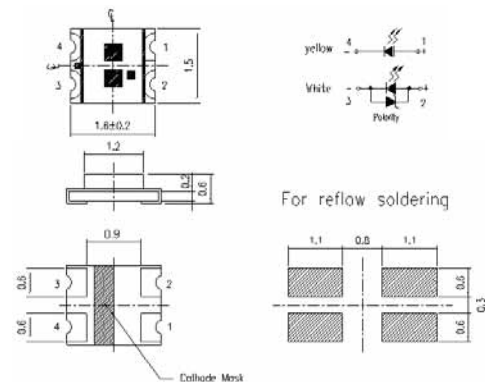
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
18-225A/R6GHW-B01/3T	1.6x0.8x0.5	● Brilliant Red	R6 : 624	R6 : 28.5	R6 : 72	R6 : 1.7 / 2	R6 : 2.4	10
		● Brilliant Green	GH : 525	GH : 72	GH : 180	GH : 2.7 / 3.3	GH : 3.7	



UNIT : mm

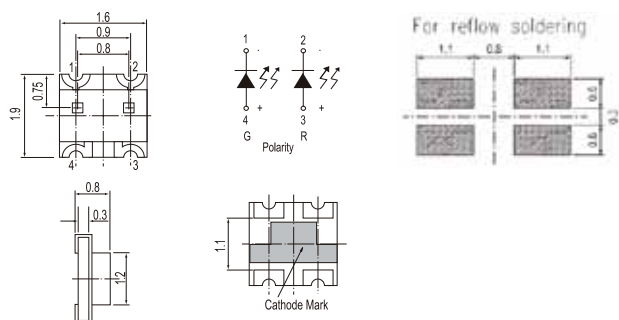


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-123/Y2ST1D-C30/2T	1.6x1.5x0.6	● Brilliant Yellow	Y2S : 589	Y2S : 28.5	Y2S : 72	Y2S : 1.7 / 2	Y2S : 2.4	5
		○ Pure White	x=0.274, y=0.226	T1 : 45	T1 : 112	T1 : 2.7 / 3.3	T1 : 3.7	

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View Bi-Color



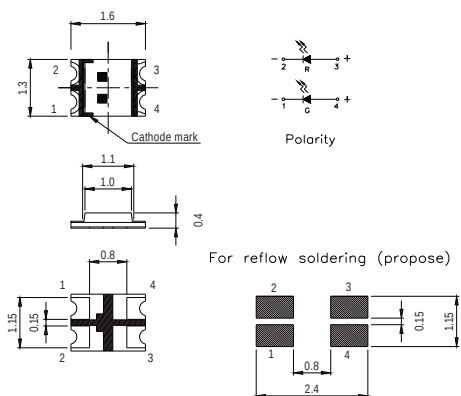
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-22/G6R6C-A31/2T	1.9x1.6x0.8	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 45 G6 : 22.5	R6 : 90 G6 : 57	R6 : 1.7 / 2 G6 : 1.7 / 2	R6 : 2.4 G6 : 2.4	20
19-22/R6BHC-B01/2T	1.9x1.6x0.8	● Brilliant Red ● Blue	R6 : 624 BH : 470	R6 : 14.5 / 20 BH : 14.5 / 20	--	R6 : 1.9 BH : 2.9	R6 : 2.3 BH : 3.3	5
19-22/R6G6C-A01/2T	1.9x1.6x0.8	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 45 G6 : 45	R6 : 72 G6 : 72	R6 : 1.7 / 2 G6 : 1.7 / 2	R6 : 2.4 G6 : 2.4	20
19-22/R6GHC-C02/2T	1.9x1.6x0.8	● Brilliant Red ● Brilliant Green	R6 : 624 GH : 525	R6 : 14.5 / 20 GH : 45 / 65	--	R6 : 1.9 GH : 2.9	R6 : 2.3 GH : 3.4	5
19-22/Y2G6C-A14/2T	1.9x1.6x0.8	● Brilliant Yellow Green ● Brilliant Yellow	G6 : 573 Y2 : 589	G6 : 28.5 Y2 : 45	G6 : 72 Y2 : 112	G6 : 1.7 / 2 Y2 : 1.7 / 2	G6 : 2.4 Y2 : 2.4	20

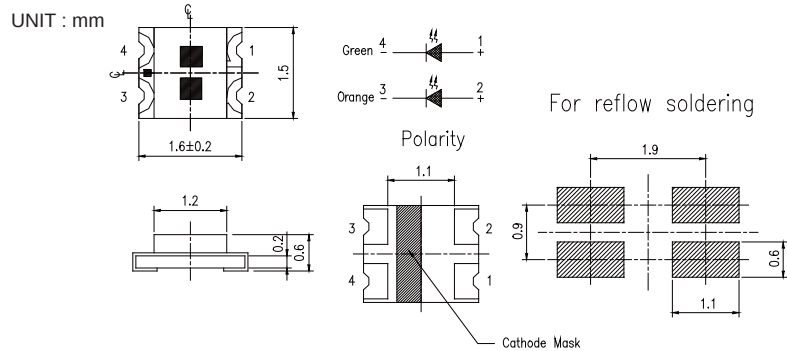


UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max./Typ. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-226/R6BHC-B01/2T	1.6x1.3x0.4	● Brilliant Red ● Blue	R6 : 624 BH : 470	R6 : 72 BH : 45	Tye. R6 : 100 BH : 80	R6 : 1.7 / 2 BH : 2.7 / 3.3	R6 : 2.4 BH : 3.7	20
19-226/R6G7C-B02/2T	1.6x1.3x0.4	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G7 : 573	R6 : 22.5 G7 : 7.2	Max. R6 : 57 G7 : 18	R6 : 1.7 / 2 G7 : 1.7 / 2	R6 : 2.4 G7 : 2.4	10
19-226/R6GHC-A03/2T	1.6x1.3x0.4	● Brilliant Red ● Brilliant Green	R6 : 624 GH : 525	R6 : 72 GH : 112	Max. R6 : 140 GH : 225	R6 : 1.7 / 2 GH : 2.7 / 3.3	R6 : 2.4 GH : 3.7	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View Bi-Color

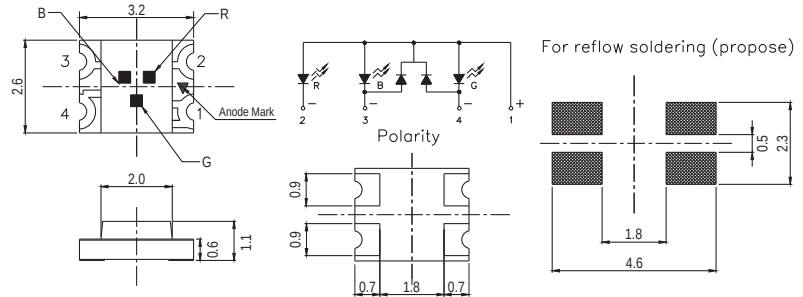


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-223/G6S2C-A01/2T	1.6x1.5x0.6	● Brilliant Orange ● Brilliant Yellow Green	S2 : 605 G6 : 573	S2 : 112 G6 : 28.5	S2 : 140 G6 : 45	S2 : 2 G6 : 2	S2 : 2.4 G6 : 2.4	20
19-223/R6BHC-A05/2T	1.6x1.5x0.6	● Brilliant Red ● Blue	R6 : 624 BH : 470	R6 : 72 BH : 36	R6 : 180 BH : 72	R6 : 1.7 / 2 BH : 2.7 / 3.3	R6 : 2.4 BH : 3.7	20
19-223/R6G6C-A01/2T	1.6x1.5x0.6	● Brilliant Red ● Brilliant Yellow Green	R6 : 624 G6 : 573	R6 : 72 G6 : 22.5	R6 : 180 G6 : 57	R6 : 1.7 / 2 G6 : 1.7 / 2	R6 : 2.4 G6 : 2.4	20
19-223/R7BHC-A30/2T	1.6x1.5x0.6	● Dark Red ● Blue	R7 : 631 BH : 470	R7 : 45 BH : 36	R7 : 112 BH : 90	R7 : 1.7 / 2 BH : 2.7 / 3.3	R7 : 2.4 BH : 2.7 / 3.7	20
19-223/R7G6C-A01/2T	1.6x1.5x0.6	● Dark Red ● Brilliant Yellow Green	R7 : 631 G6 : 573	R7 : 18 G6 : 18	R7 : 72 G6 : 72	R7 : 2 G6 : 2	R7 : 2.4 G6 : 2.4	20
19-223/S2BHC-A01/2T	1.6x1.5x0.6	● Brilliant Orange ● Blue	S2 : 605 BH : 470	S2 : 72 BH : 36	S2 : 140 BH : 72	S2 : 1.7 / 2 BH : 3	S2 : 2.4 BH : 3.5	20
19-223/S2T1D-C30/2T	1.6x1.5x0.6	● Brilliant Orange ○ Pure White	S2 : 605 x=0.274, y=0.226	S2 : 18 T1 : 45	S2 : 45 T1 : 112	S2 : 1.55 T1 : 2.7	S2 : 2.15 T1 : 3.3	5
19-223/Y2G6C-A01/2T	1.6x1.5x0.6	● Brilliant Yellow Green ● Brilliant Yellow	G6 : 573 Y2 : 589	G6 : 28.5 Y2 : 36	G6 : 57 Y2 : 72	G6 : 1.7 / 2 Y2 : 1.7 / 2	G6 : 2.4 Y2 : 2.4	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Top View Full Color



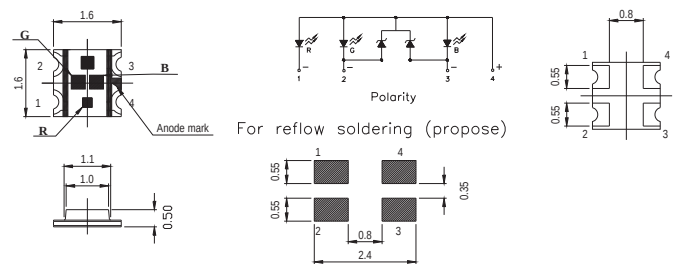
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
15-13D/R6GHBHC-A01/2T	3.2x2.6x1.1	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 45 / 70 R6 : 90 / 140 GH : 112 / 180	--	BH : 2.7 / 3.3 R6 : 1.7 / 2 GH : 2.7 / 3.3	BH : 3.7 R6 : 2.4 GH : 3.7	20



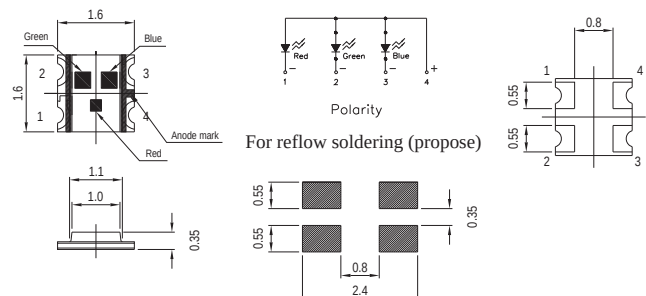
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-137/R6GHBHC-A01/2T	1.6x1.6x0.5	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 28.5 / 50 R6 : 72 / 100 GH : 112 / 180	--	BH : 2.7 / 3.3 R6 : 1.7 / 2 GH : 2.7 / 3.3	BH : 3.7 R6 : 2.4 GH : 3.7	20



UNIT : mm

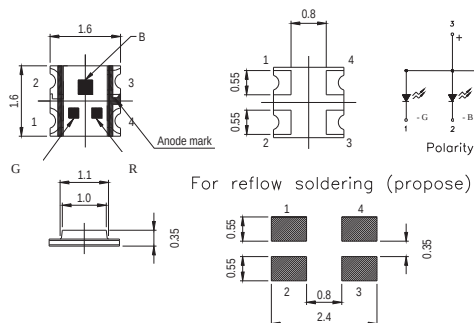


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-237/R6GHBHC-A04/2T	1.6x1.6x0.35	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 11.5 / 18 R6 : 18 / 30 GH : 28.5 / 60	--	BH : 2.6 R6 : 1.9 GH : 2.6	BH : 3 R6 : 2.2 GH : 3	5

SMD LED | Surface Mount Chip LED (PCB) | Top View Full Color



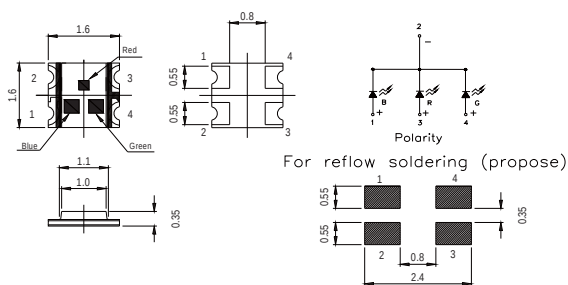
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-237A/BHR6GHC-A01/2T	1.6x1.6x0.35	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 28.5 / 50 R6 : 72 / 100 GH : 112 / 180	-	BH : 3.3 R6 : 2 GH : 3.3	BH : 3.9 R6 : 2.4 GH : 3.9	20



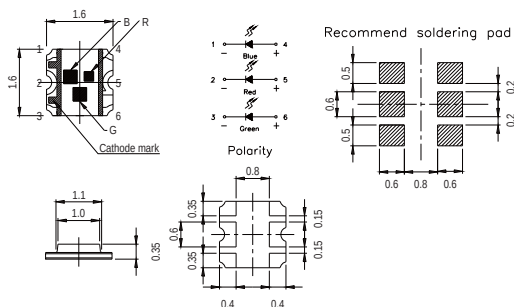
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-237B/R6GHBHC-C01/2T	1.6x1.6x0.35	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 11.5 / 18 R6 : 18 / 30 GH : 28.5 / 60	BH : 28.5 R6 : 57 GH : 112	BH : 2.6 / 3 R6 : 1.7 / 2 GH : 2.6 / 3	BH : 3.3 R6 : 2.2 GH : 3.3	5



UNIT : mm

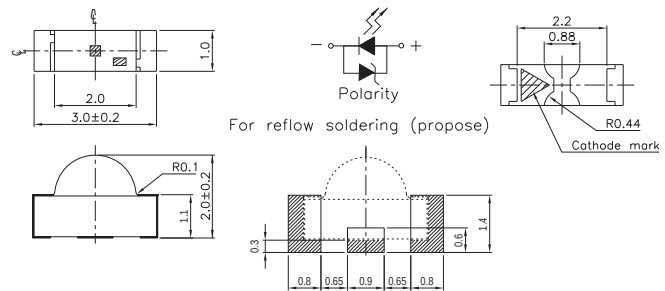


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
19-337/R6GHBHC-A01/2T	1.6x1.6x0.35	- Blue - Brilliant Red - Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 28.5 / 50 R6 : 72 / 100 GH : 112 / 180	--	BH : 3.3 R6 : 2.0 GH : 3.3	BH : 3.9 R6 : 2.4 GH : 3.9	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Side View (0.2T~1.0T)



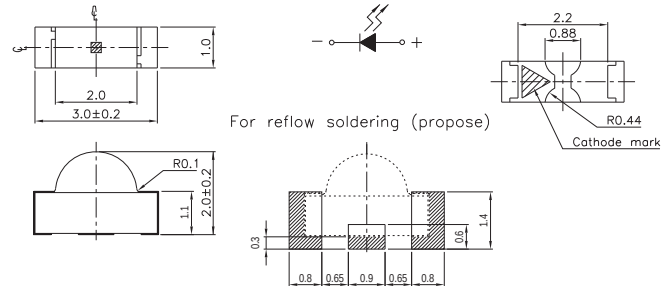
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
12-11/BHC-ZL1M2QY/2C	3x2x1	● Blue	470	11.5	28.5	2.7	3.2	5



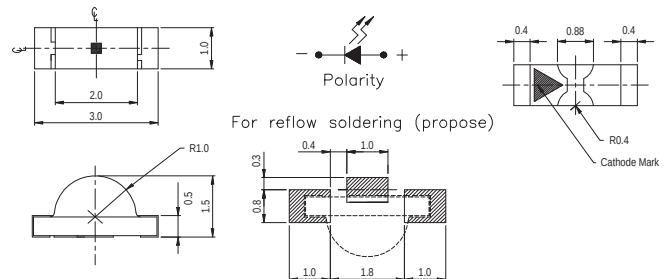
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
12-21/BHC-AN1P2/2C	3x2x1	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
12-21/BHC-ZL1M2RY/2C	3x2x1	● Blue	470	11.5	28.5	2.5	3.1	5
12-21/GHC-YR2S2/2C	3x2x1	● Brilliant Green	525	140	285	3.5	4.3	20
12-21/R8C-AN1P2B/2D	3x2x1	● Deep Red	639	28.5	72	1.75	2.35	20
12-21/T3D-AQ2S2M/2C	3x2x1	○ Pure White	x=0.274, y=0.226	90	285	2.75	3.95	20



UNIT : mm

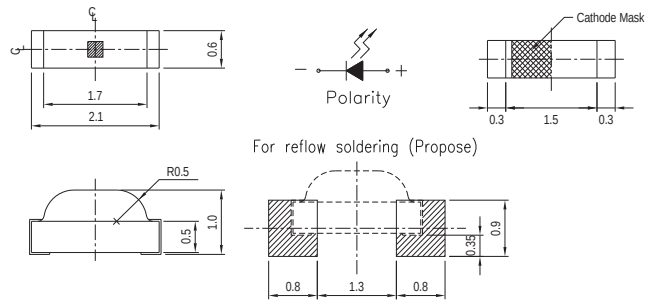


Product	Size (LxWxH mm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
12-21C/BHC-AN1P2/2C	3x1.5x1	● Blue	470	28.5	72	2.7 / 3.3	3.7	20
12-21C/BHC-YL1M2HY/2C	3x1.5x1	● Blue	470	11.5	28.5	2.7	3.15	5
12-21C/T3D-CP1Q2B12Y/2C	3x1.5x1	○ Pure White	x=0.274, y=0.226	45	112	2.7	3.4	5
12-21C/W1D-AR1S2/2C	3x1.5x1	○ Pure White	x=0.274, y=0.226	112	285	3.3	3.7	20

SMD LED ■ Surface Mount Chip LED (PCB) ■ Side View (0.2T~1.0T)



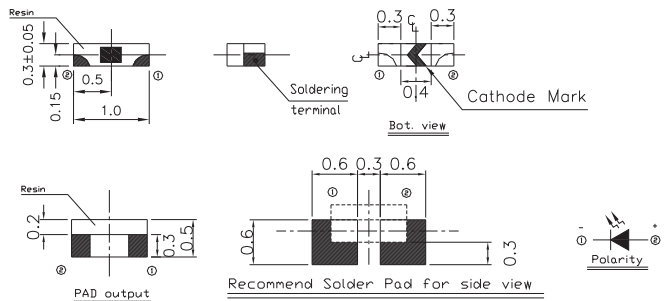
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
12-215/BHC-AN1P2/3C	2.1x1x0.6	Blue	470	28.5	72	3.5	4	20
12-215/BHC-XL1M2HY/3C	2.1x1x0.6	Blue	470	11.5	28.5	2.7	3.15	5
12-215/G6C-AL2M2B/3C	2.1x1x0.6	Brilliant Yellow Green	573	14.5	28.5	1.75	2.35	20
12-215/G6C-BP1Q2L/3C	2.1x1x0.6	Brilliant Yellow Green	573	45	112	1.7	2.3	20
12-215/R6C-AR1S1B/3C	2.1x1x0.6	Brilliant Red	624	112	225	1.75	2.35	20
12-215/T1D-ANPHY/3C	2.1x1x0.6	Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
12-215/W1D-ANPHY/3C	2.1x1x0.6	Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
12-215/Y2C-BR1S1L/3C	2.1x1x0.6	Brilliant Yellow	589	112	225	1.7	2.3	20
12-215/Y2C-CP1Q2B/3C	2.1x1x0.6	Brilliant Yellow	589	45	112	1.75	2.35	20
12-215/Y2C-CQ1R1B/3C	2.1x1x0.6	Brilliant Yellow	589	72	140	1.75	2.35	20



UNIT : mm

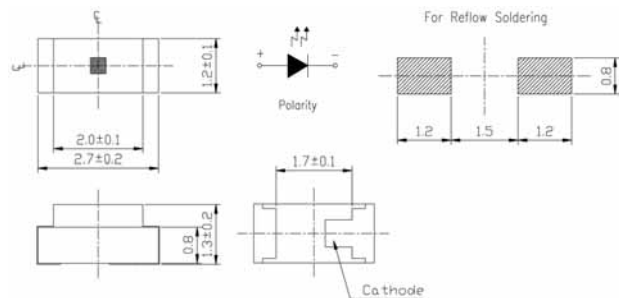


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
16-916/T1D-AP1Q2QY/3T	1x0.5x0.3	Pure White	x=0.274, y=0.226	45	112	2.7	3.2	5

SMD LED ■ Surface Mount Chip LED (PCB) ■ Side View (0.2T~1.0T)



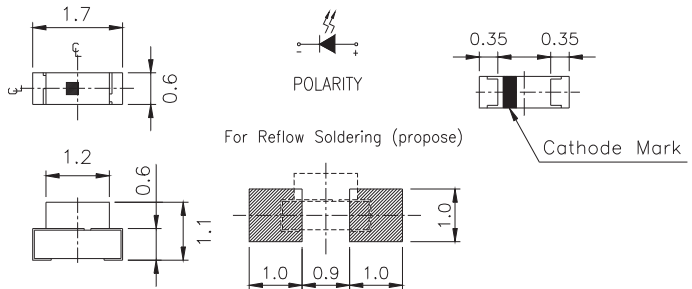
UNIT : mm



Product	Size (LxWxH mm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
22-21/BHC-AN1P2/2C	2.7x1.3x1.2	Blue	470	28.5	72	3.8	4.5	20
22-21/GHC-YR1S2/2C	2.7x1.3x1.2	Brilliant Green	525	112	285	2.7 / 3.3	3.7	20



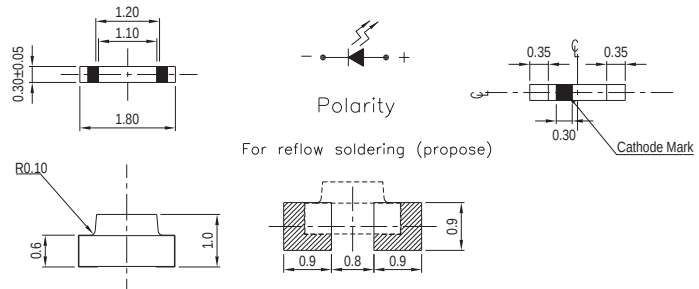
UNIT : mm



Product	Size (LxWxH mm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
27-21/BHC-AN1P2/3C	1.7x1.1x0.6	Blue	470	28.5	72	2.7 / 3.3	3.7	20
27-21/BHC-AP1Q2/3C	1.7x1.1x0.6	Blue	470	45	112	2.7 / 3.3	3.7	20
27-21/GHC-YR1S2M/3C	1.7x1.1x0.6	Brilliant Green	525	112	285	2.75	3.95	20
27-21/R6C-AP1Q2B/3C	1.7x1.1x0.6	Brilliant Red	624	45	112	1.75	2.35	20
27-21/S2C-FP1Q1L/3C	1.7x1.1x0.6	Brilliant Orange	605	45	90	1.7	2.3	20
27-21/T1D-ANPHY/3C	1.7x1.1x0.6	Pure White	x=0.274, y=0.226	28.5	72	2.7	3.15	5
27-21/T1D-CQ1R2NW/3C	1.7x1.1x0.6	Pure White	x=0.274, y=0.226	72	180	2.7	3.7	15
27-21/T3D-AP2Q2HY/3C	1.7x1.1x0.6	Pure White	x=0.274, y=0.226	57	112	2.7	3.15	5
27-21/W1D-APQHY/3C	1.7x1.1x0.6	Pure White	x=0.274, y=0.226	45	112	2.7	3.15	5
27-21/Y2C-CPQB/3D	1.7x1.1x0.6	Brilliant Yellow	589	45	112	1.75	2.35	20

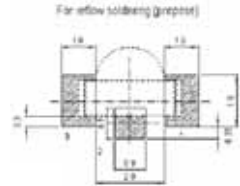
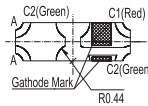
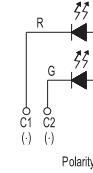
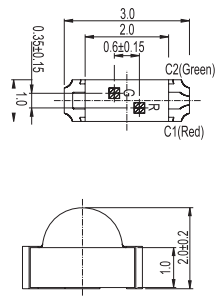
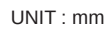
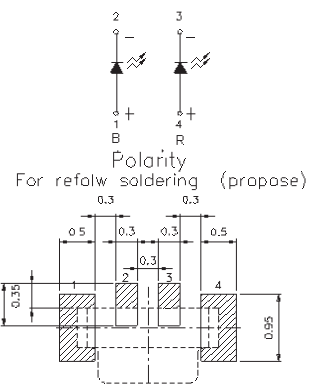
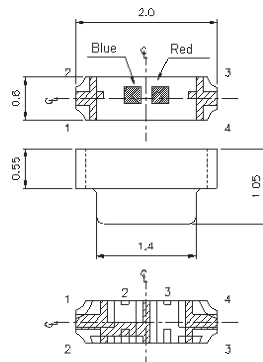
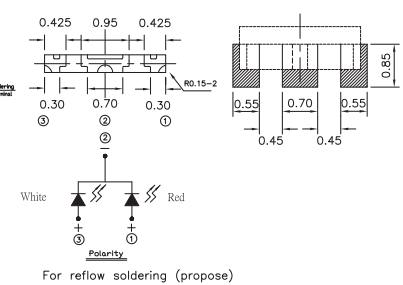
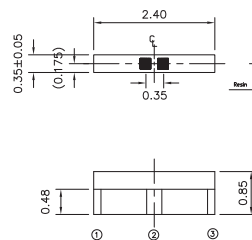


UNIT : mm



Product	Size (LxWxH mm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
48-213/BHC-ZM2P1QY/3C	1.8x1x0.3	Blue	470	22.5	57	2.7	3.2	5
48-213/R6C-AM1N2VY/3C	1.8x1x0.3	Brilliant Red	624	18	45	1.7	2.2	5
48-213/T2D-AQ2R2QY/3C	1.8x1x0.3	Pure White	x=0.274, y=0.226	90	180	2.7	3.2	5
48-213/T3D-AP1Q2TY/3C	1.8x1x0.3	Pure White	x=0.274, y=0.226	45	112	2.6	3	5
48-213/T7D-AQ1R2QY/3C	1.8x1x0.3	Pure White	x=0.274, y=0.226	72	180	2.7	3.2	5

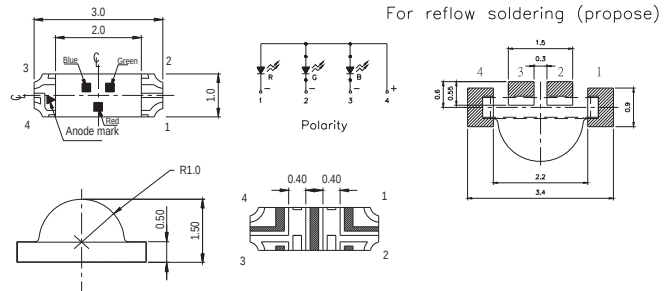
SMD LED

UNIT : mmUNIT : mm94

SMD LED ■ Surface Mount Chip LED (PCB) ■ Side View Full Color

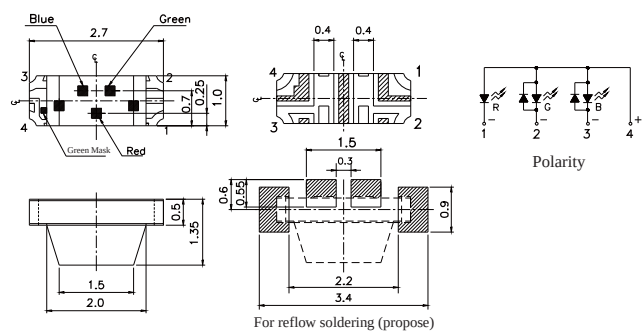


UNIT : mm



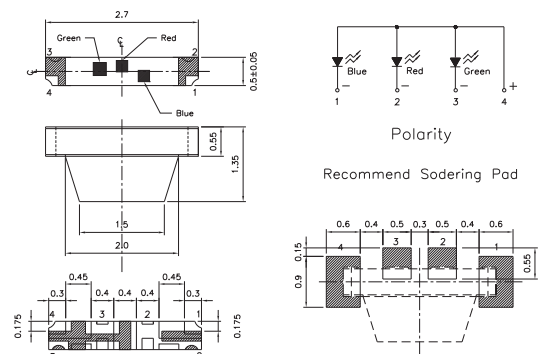
Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I _V Min./Typ. (mcd)	I _V Max. (mcd)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
12-23C/R6GHBHC-A01/2C	3x1.5x1	● Blue ● Brilliant Red ● Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 32 / 50 R6 : 63 / 90 GH : 125 / 180	--	BH : 2.7 / 3.3 R6 : 1.7 / 2 GH : 2.7 / 3.3	BH : 3.7 R6 : 2.4 GH : 3.7	20
12-23C/S2GHBHC-A01/2C	3x1.5x1	● Brilliant Orange ● Blue ● Brilliant Green	BH : 470 S2 : 605 GH : 525	BH : 36 / 65 S2 : 72 / 140 GH : 140 / 210	--	BH : 3.3 S2 : 2 GH : 3.3	BH : 3.9 S2 : 2.4 GH : 3.9	20

UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I _V Min./Typ. (mcd)	I _V Max. (mcd)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
22-23/R6GHBHC-A01/2C	2.7x1.35x1	● Blue ● Brilliant Red ● Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 28.5 / 45 R6 : 45 / 72 GH : 112 / 180	--	BH : 2.7 / 3.3 R6 : 1.7 / 2 GH : 2.7 / 3.3	BH : 3.7 R6 : 2.4 GH : 3.7	20

UNIT : mm

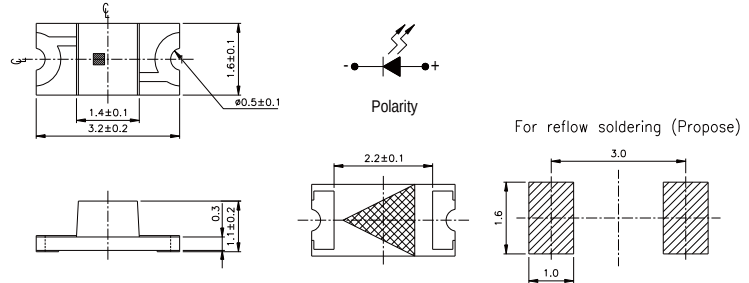


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I _V Min./Typ. (mcd)	I _V Max. (mcd)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
22-23C/R6GHBHW-C01/2C	2.7x1.35x0.5	Blue Brilliant Red Brilliant Green	BH : 470 R6 : 624 GH : 525	BH : 10 R6 : 14.5 GH : 35	BH : 24.5 R6 : 36 GH : 110	BH : 2.7 / 2.9 R6 : 1.7 / 1.85 GH : 2.7 / 2.9	BH : 3.1 R6 : 2 GH : 3.2	5

SMD LED ■ Surface Mount Chip LED (PCB) ■ Reverse Mount



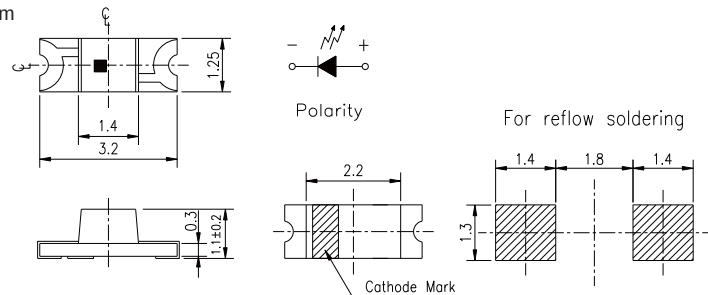
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
23-21/G6C-AL2N1/2T	3.2x1.6x1.1	● Brilliant Yellow Green	573	14.5	36	1.7 / 2	2.4	20
23-21/GHC-YR2T1/2A	3.2x1.6x1.1	● Brilliant Green	525	140	360	3.5	3.9	20
23-21/R6C-AM1N2AY/2A	3.2x1.6x1.1	● Brilliant Red	624	18	45	1.55	2.15	5
23-21/R8C-AN2Q1B/2T	3.2x1.6x1.1	● Deep Red	639	36	90	1.75	2.35	20



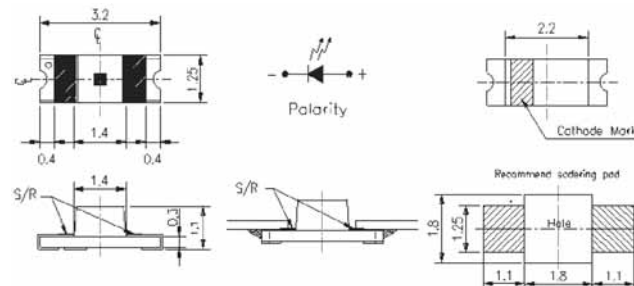
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
23-21B/BHC-AN1P2/2A	3.2x1.25x1.1	● Blue	470	28.5	72	3.5	4	20
23-21B/BHC-ZL1M1Y/2A	3.2x1.25x1.1	● Blue	470	11.5	22.5	2.7 / 3.3	3.7	5
23-21B/G6C-AM2P1/2A	3.2x1.25x1.1	● Brilliant Yellow Green	573	22.5	57	1.7 / 2	2.4	20
23-21B/S2C-AN1P2/2A	3.2x1.25x1.1	● Brilliant Orange	605	28.5	72	1.7 / 2.0	2.4	20
23-21B/T1D-ANQHY/2A	3.2x1.25x1.1	○ Pure White	x=0.274, y=0.226	28.5	112	2.7	3.15	5
23-21B/T1D-CP2Q2TY/2A	3.2x1.25x1.1	○ Pure White	x=0.274, y=0.226	57	112	2.6	3	5
23-21B/W1D-ANQHY/2A	3.2x1.25x1.1	○ Pure White	x=0.274, y=0.226	28.5	112	2.7	3.15	5



UNIT : mm

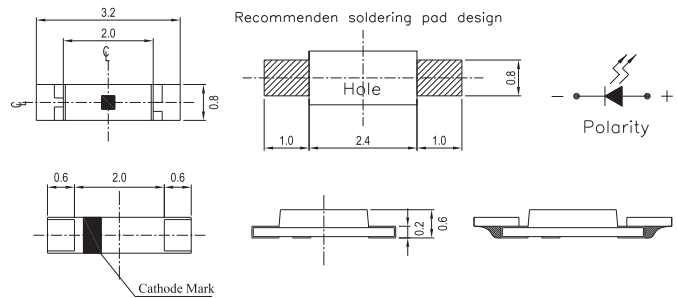


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
23-21C/T1D-CP2Q2TY/2A	3.2x1.25x1.1	○ White	x=0.274, y=0.226	57	112	Min. 2.6	3	5

SMD LED | Surface Mount Chip LED (PCB) | Reverse Mount



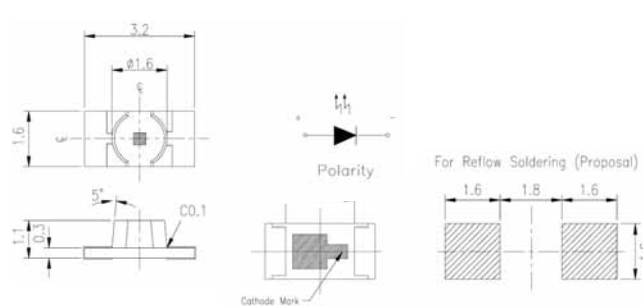
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
23-215A/BHC-DN2P2E/5A	3.2x0.8x0.6	Blue	470	36	72	2.75	3.65	20



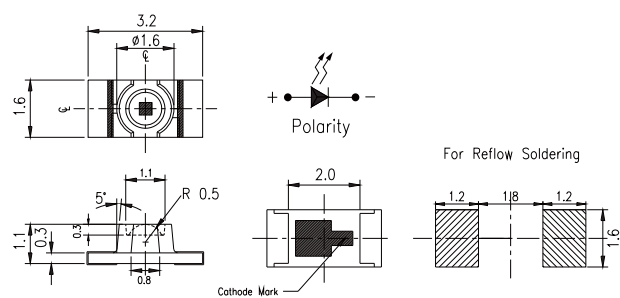
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
24-21/BHC-AN1P2/2A	3.2x1.6x1.1	Blue	470	28.5	72	3.5	4	20
24-21/GHC-YR2T1/2A	3.2x1.6x1.1	Brilliant Green	525	140	360	3.5	4	20



UNIT : mm

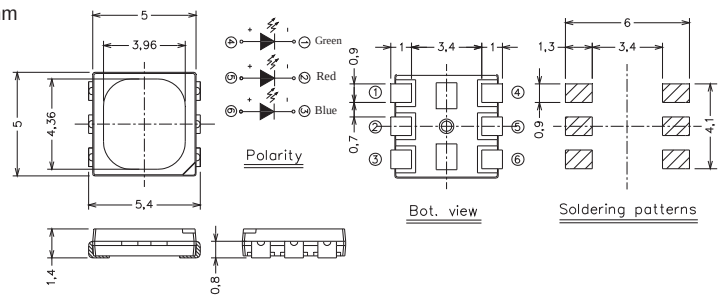


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./Typ. (mcd)	I_V Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
25-21/BHC-APR/2T	3.2x1.6x1.1	Blue	470	45	180	2.7 / 3.3	3.7	20
25-21/GHC-YSU/2A	3.2x1.6x1.1	Brilliant Green	525	180	715	3.5	4.3	20
25-21/T1D-ANQHY/2A	3.2x1.6x1.1	Pure White	x=0.274, y=0.226	28.5	112	2.7	3.15	5
25-21/W1D-APQHY/2A	3.2x1.6x1.1	Pure White	x=0.274, y=0.226	45	112	2.7	3.15	5

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View LED



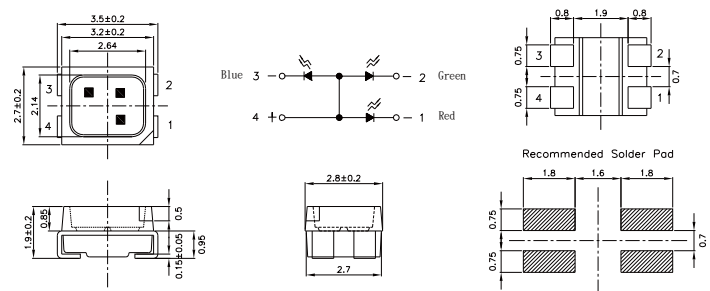
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
61-238UMC/S3085/TR8/LT	5x5x1.4	○ White	x=0.289~0.311 y=0.283~0.333	4000	6000	2.7	3.6	20



UNIT : mm

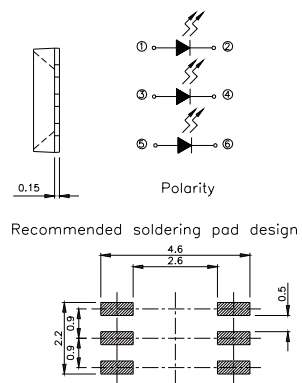
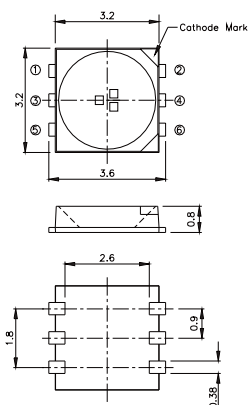


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-23/R6GHBHC-B05/2T	3.5x2.8x1.9	R6: ● Brilliant Red GH: ● Brilliant Green BH: ● Blue	R6 : 621~631 GH : 520~530 BH : 465~475	R6 : 112 GH : 180 BH : 72	R6 : 285 GH : 715 BH : 180	R6 : 2.0 GH : 3.4 BH : 3.4	R6 : 2.4 GH : 3.95 BH : 3.95	20
67-23/T2C-EY2Z0/2T	3.5x2.8x1.9	○ White	x=0.264~0.33 y=0.248~0.36	3600	7200	2.9	3.6	20
67-23SDRSYGUBC/TR8	3.5x2.8x1.9	SDR: ● Deep Red SYG: ● Brilliant Yellow Green UB: ● Blue	SDR : 639 SYG : 573 UB : 470	SDR : 63 / 112 SYG : 13 / 20 UB : 11 / 18	--	SDR : 2.0 SYG : 2.0 UB : 3.5	SDR : 2.4 SYG : 2.4 UB : 4.0	20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View LED

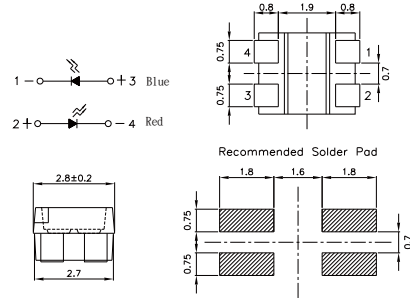


UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-235UWC/TR8	3.2x3.2x0.8	○ White	x=0.264~0.361 y=0.248~0.385	2000	2500	3.5	4	20

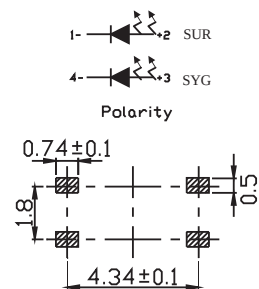
Technical drawing of a rectangular component. The top view shows a rectangle with overall dimensions 3.5 ± 0.2 (width) and 2.7 ± 0.2 (height). The inner opening has dimensions 3.2 ± 0.2 (width) and 2.14 (height). The distance from the top edge to the top of the opening is 1 , and from the bottom edge to the bottom of the opening is 2 . The distance from the left edge to the left side of the opening is 2.64 . The right side of the component is divided into two sections labeled 3 and 4. A cross-section view below shows a total height of 1.9 ± 0.2 , with a top flange thickness of 0.95 , a central cavity depth of 0.5 , and a bottom flange thickness of 0.15 ± 0.05 . A small dimension of 0.25 is indicated for the bottom flange's outer edge.



Product	Size (LxWxHmm)	Color	λ_d (nm)	I _v Min./Typ. (mcd)	I _v Max. (mcd)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
67-22/G3G3C-B45/2T	3.5x2.8x1.9	G3: ○Pale Green G3: ○Pale Green	563.5~571.5	4.5 / 10	36	1.7 / 2.0	2.4	10
67-22/R6BHC-B07/2T	3.5x2.8x1.9	R6: ●Brilliant Red BH: ●Blue	R6 : 621~631 BH : 466.5~471.5	R6 : 90 BH : 90	R6 : 225 BH : 225	R6 : 1.75 BH : 2.9	R6 : 2.35 BH : 3.7	20
67-22/R6G6C-B09/2T	3.5x2.8x1.9	R6: ●Brilliant Red G6: ●Brilliant Yellow Green	R6 : 621~627 G6 : 570~574	R6 : 57 G6 : 36	R6 : 140 G6 : 90	R6 : 1.75 G6 : 1.75	R6 : 2.35 G6 : 2.35	20
67-22/R6Y2C-B31/2T	3.5x2.8x1.9	R6: ●Brilliant Red Y2: ●Brilliant Yellow	R6 : 621~631 Y2 : 586~594	72	285	1.75	2.35	20
67-22SURSYGC/ S530-A2/TR8	3.5x2.8x1.9	SUR: ●Deep Red SYG: ●Brilliant Yellow Green	SUR : 624 SYG : 573	SUR : 24 / 59 SYG : 16 / 24	--	SUR :1.7 / 2.0 SYG :1.7 / 2.0	SUR : 2.4 SYG : 2.4	20
67-22UYSYGC/ S530-A5/TR8	3.5x2.8x1.9	UY: ●Brilliant Yellow SYG: ●Brilliant Yellow Green	UY : 589 SYG : 573	UY : 80 / 120 SYG : 50 / 80	--	UY : 2.0 SYG : 2.0	UY : 2.4 SYG : 2.4	20



Technical drawing of a square anode mark. The top view shows a square with a central square hole. Dimensions include an outer width of 4.5, an inner width of 2.7, and a total height of 3.4. The central hole has a width of 0.5. Four pins, labeled 1, 2, 3, and 4, are positioned around the central hole. A label 'Anode Mark' points to the central area. Below the top view is a cross-section view showing a rectangular block with a height of 1.5 and a width of 0.29 ± 0.1 . The cross-section shows a central cavity with a curved bottom surface.

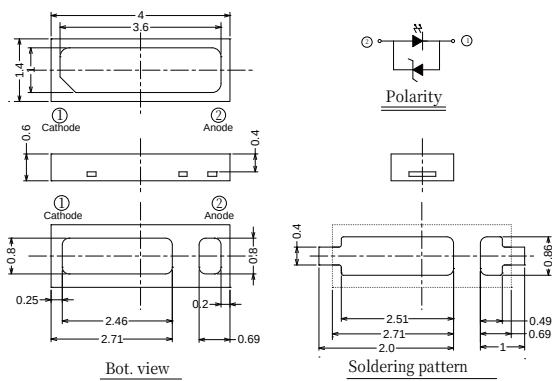


Product	Size (LxWxHmm)	Color	λ_d (nm)	I _V Min./ Typ. (mcd)	I _V Max. (mcd)	V _F Min./ Typ. (V)	V _F Max. (V)	I _F (mA)
93-22SURSYGC/S530-A3/TR8	3.4x2.7x1.5	SUR: ● Brilliant Red SYG: ● Brilliant Yellow Green	SUR : 624 SYG : 573	SUR : 17 SYG : 11	SUR : 41 SYG : 17	SUR : 2.0 SYG : 2.0	SUR : 2.4 SYG : 2.4	SUR : 20 SYG : 20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC2



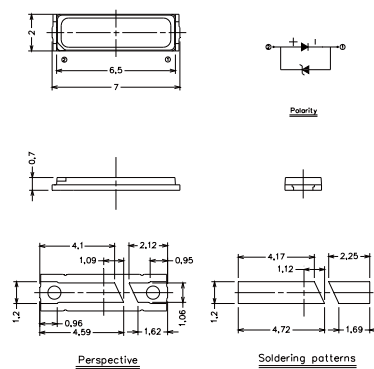
UNIT : mm



Product	Size (LxWxHmm)	Color	Power (W)	I_V (lm)	CIE	V_F	Viewing Angle (°)
50-615TUMRFC/S4700-1/TR8-T	4x1.4x0.6	○White	0.4	16~22	x=0.280, y=0.259	2.8~3.4	120



UNIT : mm

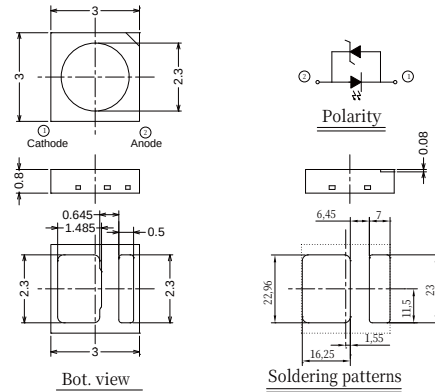


Product	Size (LxWxHmm)	Color	Power (W)	I_V (lm)	CIE	V_F	Viewing Angle (°)
62-119UNC/T3850M2M5BD/TR8-T	7x2x0.7	○White	0.5	38~52	x=0.249, y=0.200	3.0~3.4	120

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC2



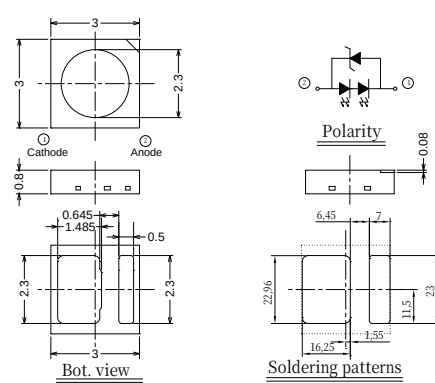
UNIT : mm



Product	Size (LxWxHmm)	Color	Power (W)	I _V (lm)	CIE	V _F	Viewing Angle (°)
62-113TUNC/F105125VM58BJ-T	3x3x0.8	○White	1~1.5	70~120	x=0.270, y=0.245	2.9~3.6	120



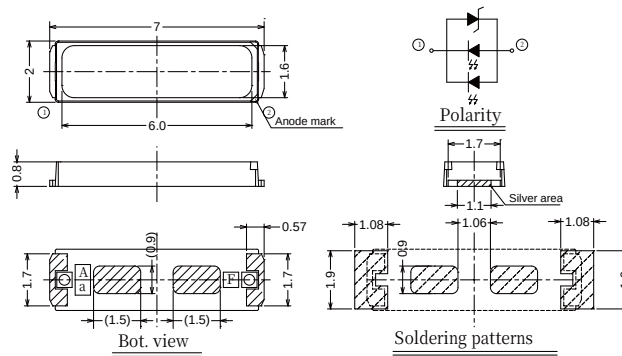
UNIT : mm



Product	Size (LxWxHmm)	Color	Power (W)	I _V (lm)	CIE	V _F	Viewing Angle (°)
62-123TUNC/F120155M58SBF-T	3x3x0.8	○White	1~2	125~150	x=0.270, y=0.245	5.8~7.2	120



UNIT : mm

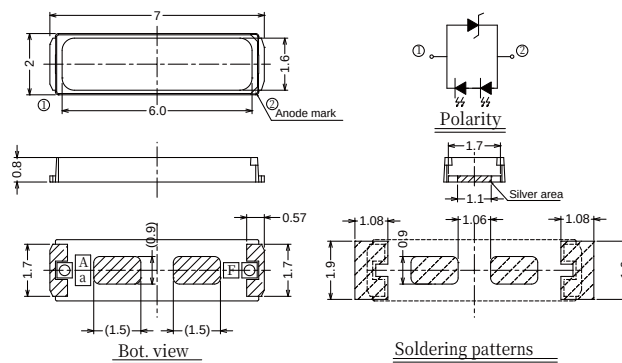


Product	Size (LxWxHmm)	Color	Power (W)	I _V (lm)	CIE	V _F	Viewing Angle (°)
62-129AUGR4C/3034M6M9PAG/TR8-T	7x2x0.8	○White	0.4	30~35	x=0.271, y=0.246	2.9~3.6	120
62-129AUNC/T4048M3M6PBD/TR8-T	7x2x0.8	○White	0.5	40~50	x=0.259, y=0.222	3.0~3.4	120

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC2



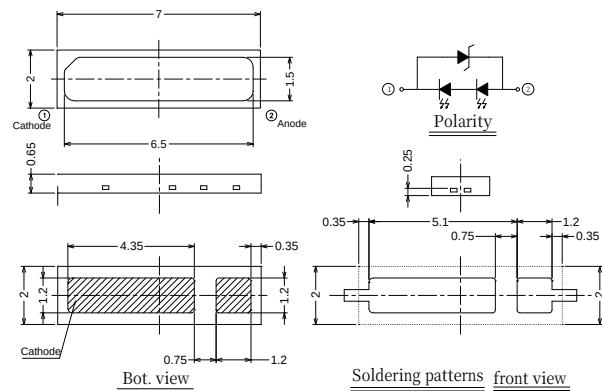
UNIT : mm



Product	Size (LxWxHmm)	Color	Power (W)	I _V (lm)	CIE	V _F	Viewing Angle (°)
62-129AUNC/T5155M5M8S8C/TR8-T	7.0x2.0x0.8	○White	0.6~0.8	51~57	x=0.266, y=0.238	5.8~6.8	120



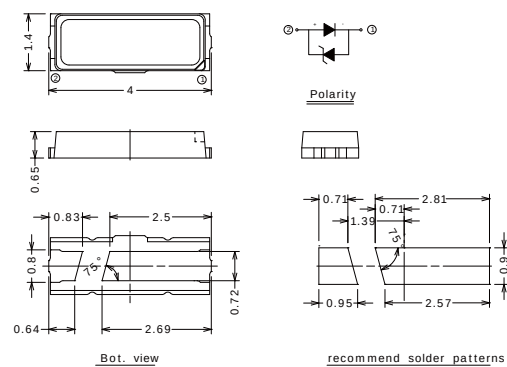
UNIT : mm



Product	Size (LxWxHmm)	Color	Power (W)	I _V (lm)	CIE	V _F	Viewing Angle (°)
62-129TUN2C/T94104N6N9S9C-T	7x2x0.65	○White	0.8~1	94~106	x=0.2975, y=0.2419	6.0~6.8	120

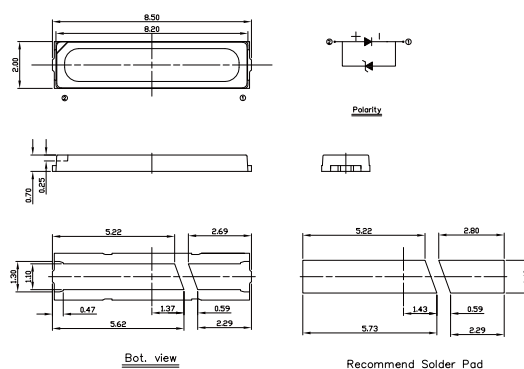


UNIT : mm

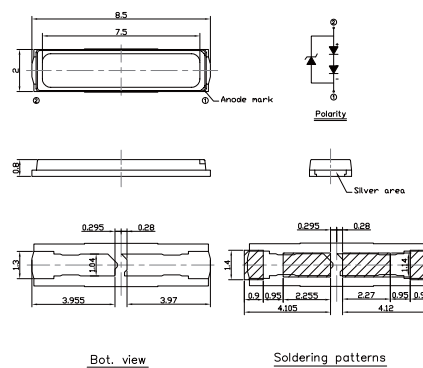
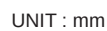


Product	Size (LxWxHmm)	Color	λ _d (nm)/CIE(x,y)	I _V Min./Typ. (lm)	I _V Max. (lm)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
50-315CZUGR6C/TR8-T	4.0x1.4x0.65	○White	x=0.315 y=0.305	17 / 19	21	2.9 / 3.2V	3.4	60
50-315CZUH8C/TR8-T	4.0x1.4x0.65	○White	x=0.295 y=0.275	31 / 35	39	2.9 / 3.2V	3.4	120

Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I _v Min./ Typ. (lm)	I _v Max. (lm)	V _F Min./ Typ. (V)	V _F Max. (V)	I _F (mA)
62-112UMRBC/S5000-02B/TR8-T	8.5x2.0x0.7	○White	x=0.297 y=0.269	26/28	31	2.8/3.0	3.3	75



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I _v Min./ Typ. (lm)	I _v Max. (lm)	V _F Min./ Typ. (V)	V _F Max. (V)	I _F (mA)
62-122UMRBC/S5000-00B/TR8-T	8.5x2.0x0.8	○White	x=0.287 y=0.269	38/41	45	2.8/3.0	3.3	120

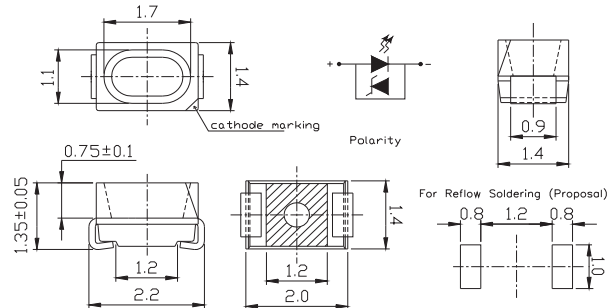


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I _v Min./ Typ. (lm)	I _v Max. (lm)	V _F Min./ Typ. (V)	V _F Max. (V)	I _F (mA)
63-125TUNC/TR8-T	3.5X3.5X0.6	○White	x=0.265 y=0.235	150	150	6.0/6.6	7.2	600

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC2



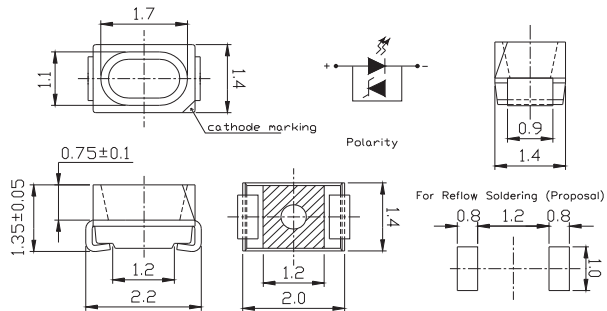
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
65-11/BHC-AR1S2B2/2T	2.2x1.4x1.35	● Blue	464.5~476.5	112	225	2.9	3.6	20
65-11/T2C-FV1W2E/2T	2.2x1.4x1.35	○ Pure White	x=0.283~0.33 y=0.295~0.3390	715	1800	2.75	3.65	20
65-11UTC/S933/TR8	2.2x1.4x1.35	○ Pure White	x=0.3300~0.3500 y=0.3180~0.3600	1000	1800	2.7	3.5	20



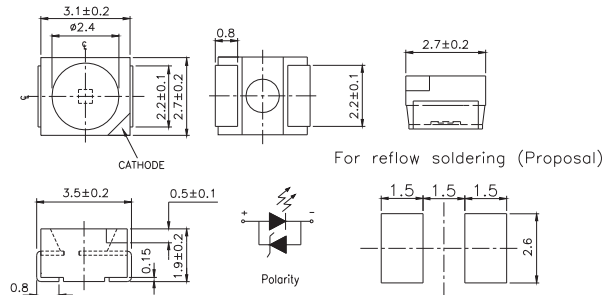
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
65-21/G6C-AN2Q1/3T	2.2x1.4x1.35	● Brilliant Yellow Green	569.5~577.5	36	90	--	2.35	20
65-21/Y2C-CJ2L2X/3T	2.2x1.4x1.35	● Brilliant Yellow	586~592	5.8	18	2	2.4	2
65-21/Y2SC-AR1S2B/2T	2.2x1.4x1.35	● Brilliant Yellow	585.5~594.5	112	285	1.75	2.35	20
65-21/Y2SC-FR2S1B/2T	2.2x1.4x1.35	● Brilliant Yellow	586~594	140	225	1.75	2.35	20



UNIT : mm

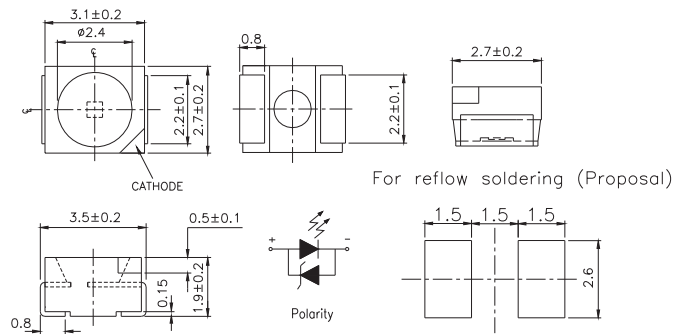


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-11/BHC-FQ2S1F/2T	3.5x2.7x1.9	● Blue	464~472	90	225	2.7	3.5	20
67-11/GHC-AT2V1/2T	3.5x2.7x1.9	● Brilliant Green	517.5	360	900	2.7	3.7	20
67-11/W1C-ES1T2N/2T	3.5x2.7x1.9	● Warm White	x=0.264~0.330 y=0.248~0.360	180	450	2.7	3.7	20
67-11/W1C-FV1W2F/2T	3.5x2.7x1.9	○ White	x=0.283~0.330 y=0.276~0.360	715	1800	2.7	3.5	20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC2



UNIT : mm

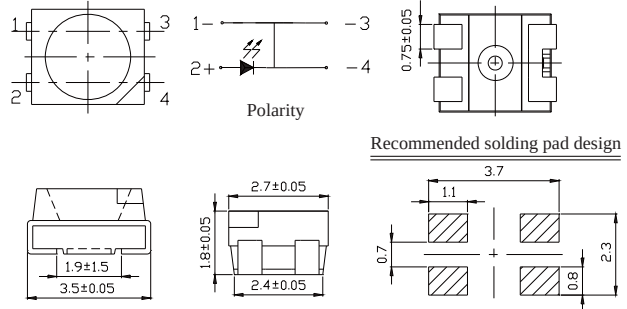


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_V Min./ Typ. (mcd)	I_V Max. (mcd)	V_F Min./ Typ. (V)	V_F Max. (V)	I_F (mA)
67-21/B3C-BN1Q2N/2T	3.5x2.7x1.9	● Blue	464.5~473.5	28.5	112	2.7	3.7	20
67-21/B7C-AS2U1N/2T	3.5x2.7x1.9	● Blue	464.5~476.5	225	565	2.7	3.7	20
67-21/G4C-BQ1T2N/2T	3.5x2.7x1.9	● Brilliant Green	523.5~535.5	72	450	2.7	3.7	20
67-21/G6C-FN2P2B/2T	3.5x2.7x1.9	● Brilliant Yellow Green	570~574.5	36	72	1.75	2.35	20
67-21/GBC-YV2W2N/2T	3.5x2.7x1.9	● Brilliant Green	520~535	900	1800	2.7	3.7	20
67-21/GHC-AS2U1B17Z/2T	3.5x2.7x1.9	● Brilliant Green	517.5~535.5	225	565	2.5	3.5	10
67-21/GHC-BV1/2T	3.5x2.7x1.9	● Brilliant Green	523.5~533.5	715	900	2.7	4.3	20
67-21/R6C-AP2R1B/2T	3.5x2.7x1.9	● Brilliant Red	617.5~633.5	57	140	1.75	2.35	20
67-21/R6C-FN2Q1BZ/2T	3.5x2.7x1.9	● Brilliant Red	621~631	36	90	1.75	2.35	10
67-21/R6C-FR2T1B/2T	3.5x2.7x1.9	● Brilliant Red	621~631	140	360	1.75	2.35	20
67-21/R6C-FS1U1B/2T	3.5x2.7x1.9	● Brilliant Red	621~631	180	565	1.75	2.35	20
67-21/RSC-FT2V1B/2T	3.5x2.7x1.9	● Brilliant Red	621~631	360	900	1.75	2.35	20
67-21/S2C-FQ2R2B/2T	3.5x2.7x1.9	● Brilliant Orange	603~609	90	180	1.75 / 2	2.35	20
67-21/S3C-AS1T1/2T	3.5x2.7x1.9	● Reddish Orange	605.5~621.5	180	360	2	2.4	20
67-21/T2C-YV2W2B22/2A0	3.5x2.7x1.9	○ White	x=0.3070~0.3300 y=0.2940~0.3390	900	1800	3	3.6	20
67-21/T2C-ZV1W2E/2T	3.5x2.7x1.9	○ White	x=0.2498~0.2915 y=0.2185~0.2950	715	1800	2.75	3.65	20
67-21/T3C-EU1V2M/2A0	3.5x2.7x1.9	○ White	x=0.2640~0.3300 y=0.2480~0.3600	450	1120	2.75	3.95	20
67-21/Y2C-AS1T1/2T	3.5x2.7x1.9	● Brilliant Yellow	585.5~594.5	180	360	2	2.4	20
67-21/Y2C-BR2T1B/2T	3.5x2.7x1.9	● Brilliant Yellow	588.5~594.5	140	360	1.75	2.35	20
67-21/YSC-FU1U2B/2T	3.5x2.7x1.9	● Brilliant Yellow	586~594	450	715	1.75	2.35	20
67-21/YSC-FU1V2B/2T	3.5x2.7x1.9	● Brilliant Yellow	586~594	450	1120	1.75	2.35	20
67-21SUBC/S400-X9/TR8	3.5x2.7x1.9	● Blue	470	110	NA	2.75	3.95	20
67-21SURC/S530-A7/TR8	3.5x2.7x1.9	● Hyper Red	624	125	NA	2	2.4	20
67-21UBC/C430/TR8	3.5x2.7x1.9	● Blue	466	35 / 55	NA	3.8	4.5	20
67-21UYC/S530-A6/TR8	3.5x2.7x1.9	● Brilliant Yellow	589	100	154	1.7 / 2	2.4	20

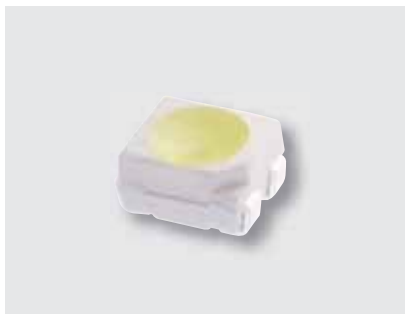
SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC3



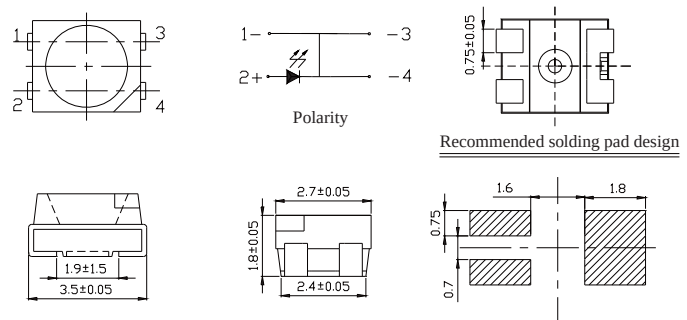
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./ Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-31A/B7C-AT1U2MZ3/2T	3.5x2.7x1.8	● Blue	464.5~476.5	285	715	2.75	3.95	30
67-31A/GHC-YV1W2EZ3/2T	3.5x2.7x1.8	● Green	520~535	715	1800	2.75	3.65	30
67-31A/SAC-AW1X2B9Z5/2T	3.5x2.7x1.8	● Reddish Orange	605.5~625.5	1120	2850	1.95	2.75	50



UNIT : mm

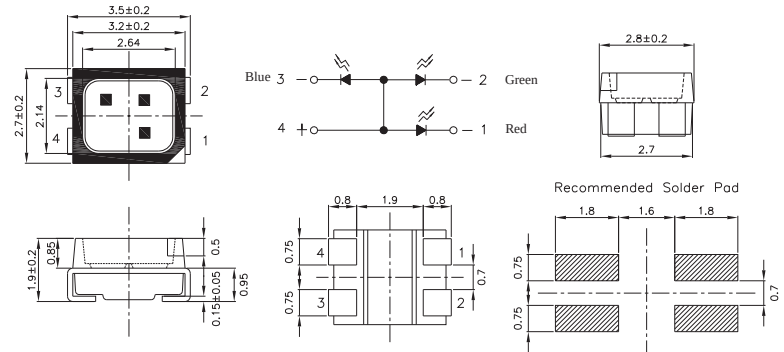


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min./ Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-31E/RSC-AV1W2B9Z5/2T	3.5x2.7x1.8	● Brilliant Red	617.5~633.5	715	1800	1.95	2.75	50

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Top View PLCC4



UNIT : mm

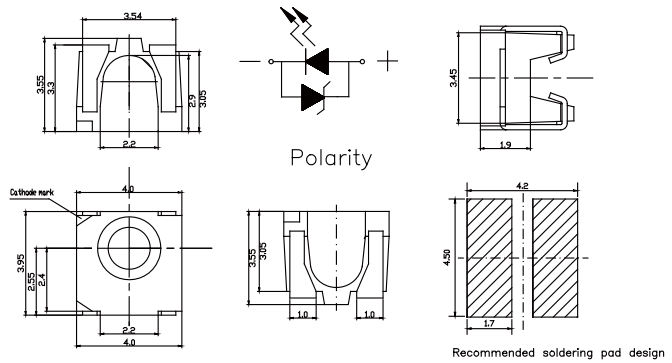


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
67-03/BHGHR6W-B11/2T	3.5x2.7x1.9	RS: ● Brilliant Red GH: ● Brilliant Green BH: ● Blue	R6 : 619~628 GH : 525~532.5 BH : 465~472.5	R6 : 180 GH : 450 BH : 180	R6 : 360 GH : 900 BH : 360	R6 : 1.75 GH : 2.9 BH : 2.9	R6 : 2.35 GH : 3.5 BH : 3.5	20
67-03/RSGHBHC-B06/1T	3.5x2.7x1.9	RS: ● Brilliant Red GH: ● Brilliant Green BH: ● Blue	RS : 617~627 GH : 520~530 BH : 465~470	RS : 450 GH : 900 BH : 226	RS : 715 GH : 1420 BH : 450	RS : 2.0 GH : 3.5 BH : 3.5	RS : 2.4 GH : 4.0 BH : 4.0	20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Side View LED



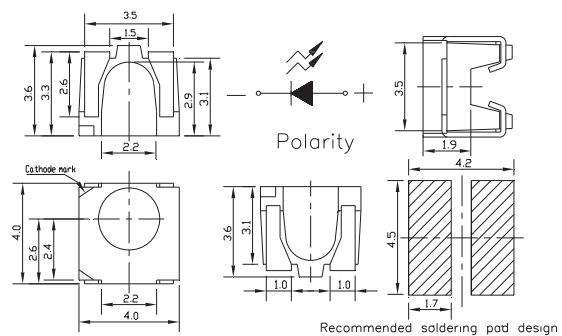
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)
57-11UTC/S827-1/TR8	4x4x3.6	○White	x=0.3070~0.3520 y=0.2840~0.3710	900	1800	2.75	3.95



UNIT : mm

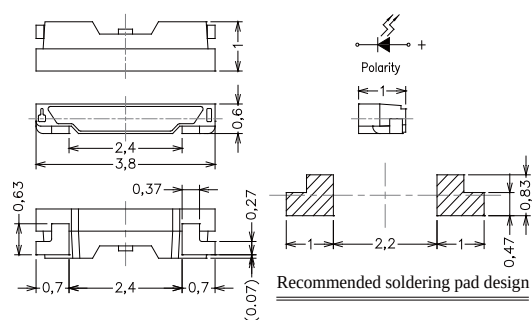


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (mcd)	I_v Max. (mcd)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
57-21/R6C-AP1Q2B/BF	4x4x3.6	●Brilliant Red	617.5~633.5	45	112	1.75	2.35	20
57-21SYGC/S530-E3/TR8	4x4x3.6	●Brilliant Yellow Green	573	32	--	1.7 / 2.0	2.4	20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Side View LED



UNIT : mm

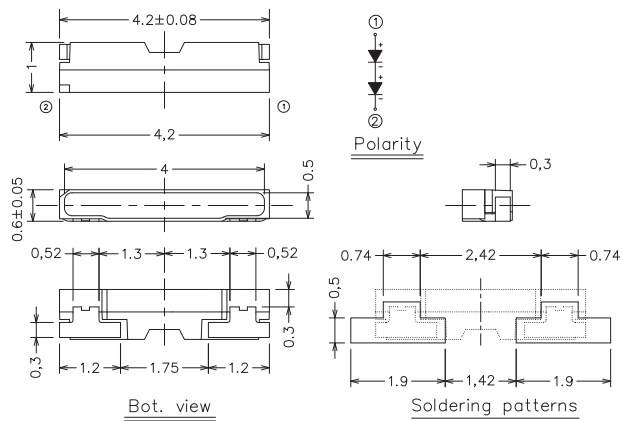


Product	Size (LxWxHmm)	Color	I _v (lm)	CIE	V _F (V)	Viewing Angle (°)
99-616LM2C/TR8-T	3.8x1x0.6	○ White	7.5~8.25	x=0.282~0.304 y=0.262~0.301	2.95~3.45	120



PRELIMINARY

UNIT : mm

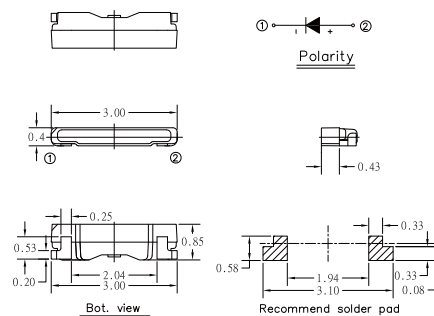


Product	Size (LxWxHmm)	Color	I _v (lm)	CIE	V _F (V)	Viewing Angle (°)
99-826LM2C/TR8-T	4.2x1x0.6	○ White	13~16	X=0.282~0.304 Y=0.262~0.301	5.4~6.2	120

• Product Availability : Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.



UNIT : mm

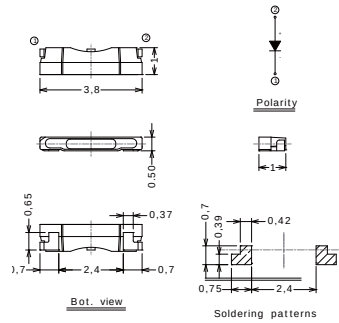


Product	Size (LxWxHmm)	Color	λ _d (nm)/CIE(x,y)	I _v Min./Typ. (lm)	I _v Max. (lm)	V _F Min./Typ. (V)	V _F Max. (V)	I _F (mA)
3004UM2C/TR8-T	3.0x0.4x0.85	○ White	x=0.285 y=0.26	7.25 / 7.5	8	2.7 / 2.9	3.3	20

SMD LED ■ Surface Mount PLCC LEDs (Reflector) ■ Side View LED



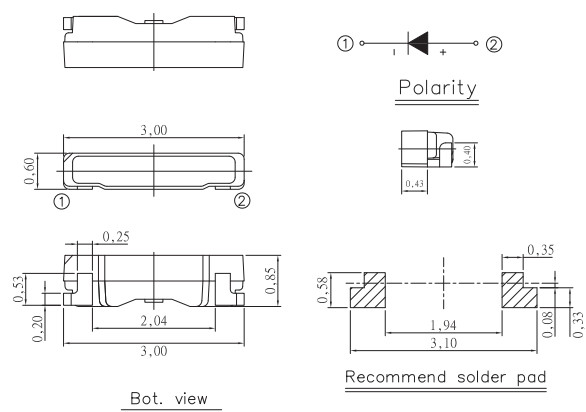
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (lm)	I_v Max. (lm)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
3805UM2C/TR8-T	3.8x0.5x1.0	○White	x=0.295 y=0.28	7.75 / 8.25	8.5	2.95 / 3.25	3.45	20

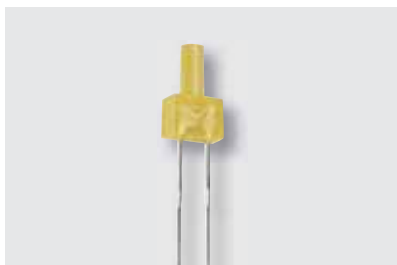


UNIT : mm

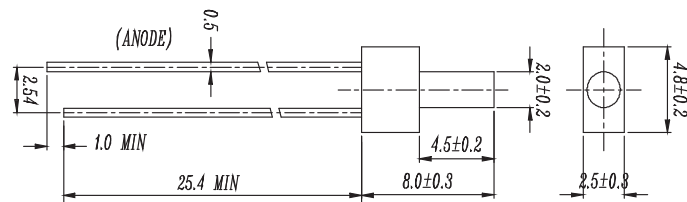


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min./Typ. (lm)	I_v Max. (lm)	V_F Min./Typ. (V)	V_F Max. (V)	I_F (mA)
3006UM2C/TR8-T	3.0x0.6x0.85	○White	x=0.285 y=0.255	7.5 / 7.75	8.25	2.95 / 3.25	3.45	20

LED Lamps ■ 2mm Tower Type



UNIT : mm

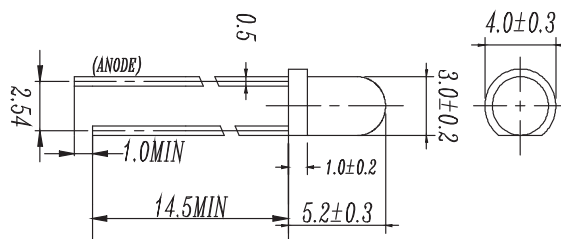


Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
103SUBD/S400-A4	2	Blue	Tower	470	Blue Diffused	40 / 80	3.4 / 4.0	100
103SURD/S530-A3	2	Brilliant Red	Tower	624	Red Diffused	25 / 40	2.0 / 2.4	130
103SYGD/S530-E2	2	Brilliant Yellow Green	Tower	573	Green Diffused	6.3 / 12.5	2.0 / 2.4	130
103UYD/S530-A3	3	Brilliant Yellow	Tower	589	Yellow Diffused	25 / 50	2.0 / 2.4	130

LED Lamps ■ 3mm Round Type



UNIT : mm

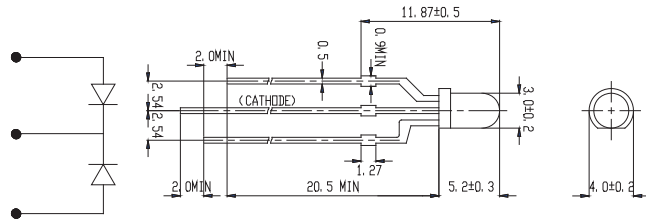


Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
204-10SDRD/S530-A3	3	Deep Red	Round	639	Red Diffused	40 / 80	2.0 / 2.4	50
204-10SUBC/S400-A4	3	Blue	Round	470	Water Clear	400 / 800	3.4 / 4.0	20
204-10SUGC/S400-A5	3	Brilliant Green	Round	525	Water Clear	1600 / 3200	3.4 / 4.0	30
204-10SURD/S530-A3	3	Brilliant Red	Round	624	Red Diffused	40 / 80	2.0 / 2.4	45
204-10SYGD/S530-E3	3	Brilliant Yellow Green	Round	573	Green Diffused	63 / 100	2.0 / 2.4	45
204-10UYD/S530-A3	3	Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	40
204-10UYOC/S530-A3	3	Brilliant Orange	Round	605	Water Clear	320 / 500	2.0 / 2.4	30

LED Lamps ■ 3mm Round Type



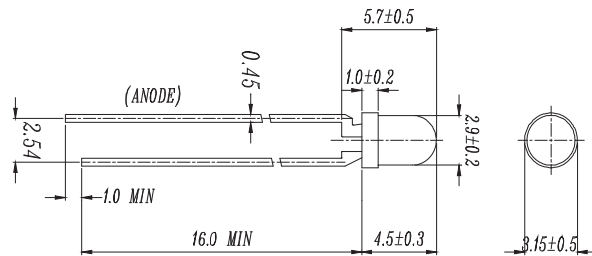
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
209SDRSYGW/S530-A3	3	- Deep Red - Brilliant Yellow Green	Round	639 / 573	White Diffused	25 / 50 16 / 32	2.0 / 2.4 2.0 / 2.4	80
209SURSYGW/S530-A3	3	- Brilliant Red - Brilliant Yellow Green	Round	624 / 573	White Diffused	40 / 80 20 / 40	2.0 / 2.4 2.0 / 2.4	80
209UYOSUGC/S530-A3	3	- Brilliant Orange - Brilliant Green	Round	605 / 525	Water Clear	100 / 200 160 / 320	2.0 / 2.4 3.5 / 4.3	50



UNIT : mm

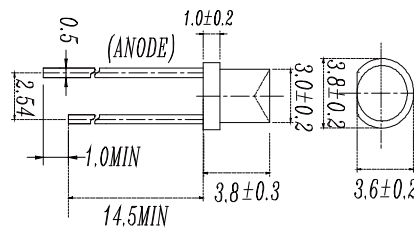


Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
264-7SDRC/S530-A3	2.9	Deep Red	Round	639	Water Clear	40 / 100	2.0 / 2.4	40
264-7SUBC/S400-X9	2.9	Blue	Round	470	Water Clear	400 / 800	3.3 / 3.7	30
264-7UYOC/S530-A3	2.9	Brilliant Orange	Round	605	Water Clear	110 / 200	2.0 / 2.4	40
264-7SUGC/S400-A5	2.9	Brilliant Green	Round	525	Water Clear	1000 / 2000	3.3 / 3.7	30
264-7SURC/S400-A8	2.9	Brilliant Red	Round	624	Water Clear	400 / 800	2.0 / 2.4	40
264-7SYGC/S530-E3	2.9	Brilliant Yellow Green	Round	573	Water Clear	100 / 320	2.0 / 2.4	35
264-7UYC/S400-A9	2.9	Brilliant Yellow	Round	589	Water Clear	400 / 800	2.0 / 2.4	40

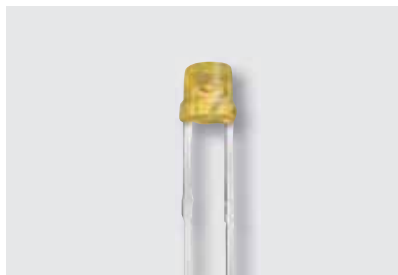
LED Lamps | 3mm Round Type



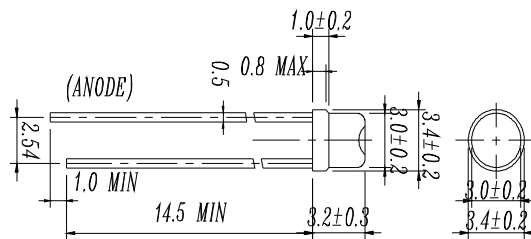
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
484-10SURT/S530-A3	3	● Brilliant Red	Round	624	Red Trans	10 / 20	2.0 / 2.4	130
484-10UYT/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Trans	16 / 32	2.0 / 2.4	110
484-10SUBT/S400-A5	3	● Blue	Round	470	Blue Trans	16 / 32	3.3 / 3.7	110
484-10SYGT/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Trans	6.3 / 12.5	2.0 / 2.4	80
484-10UYOC/S530-A3	3	● Brilliant Orange	Round	605	Water Clear	40 / 80	2.0 / 2.4	160
484-10SDRC/S530-A3	3	● Deep Red	Round	639	Water Clear	6.3 / 12.5	2.0 / 2.4	110



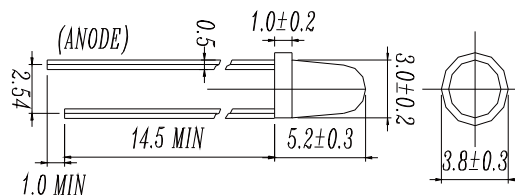
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
494-10SURT/S530-A3	3	● Brilliant Red	Round	624	Red Trans	16 / 32	2.0 / 2.4	100
494-10SYGT/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Trans	10 / 20	2.0 / 2.4	100
494-10UYT/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Trans	25 / 50	2.0 / 2.4	100
494-10UYOC/S530-A3	3	● Brilliant Orange	Round	605	Water Clear	40 / 80	2.0 / 2.4	110
494-10SUBC/S400-X9-L	3	● Blue	Round	470	Water Clear	25 / 50	2.0 / 2.4	100



UNIT : mm

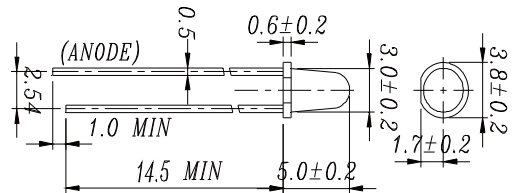


Product	Size (mm)	Color	Lens Type	λ_d (nm)/CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1224SYGC/S530-E2	3	● Brilliant Yellow Green	Round	573	Water Clear	63 / 100	2.0 / 2.4	25
1224USOC/S530-A3	3	● Reddish Orange	Round	615	Water Clear	188 / 295	2.0 / 2.4	25
1224UTC/S400-A6	3	○ White	Round	x=0.29, y=0.28	Water Clear	715 / 1800	3.2 / 3.6	25
1224SURC/S530-A3	3	● Brilliant Red	Round	624	Water Clear	160 / 400	2.0 / 2.4	20
1224UYC/S530-A3	3	● Brilliant Yellow	Round	589	Water Clear	160 / 320	2.0 / 2.4	25
1224SDRC/S530-A3	3	● Deep Red	Round	639	Water Clear	110 / 150	2.0 / 2.4	25
1224SUGC/S400-A5	3	● Brilliant Green	Round	525	Water Clear	1600 / 2000	3.3 / 3.7	30

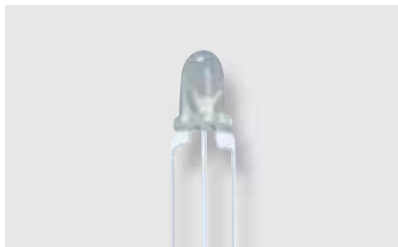
LED Lamps ■ 3mm Round Type



UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm) / CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1254-10SDRT/S530-A3	3	● Deep Red	Round	639	Red Trans	160/320	2.0 / 2.4	30
1254-10SURT/S530-A3	3	● Brilliant Red	Round	624	Red Trans	160 / 320	2.0 / 2.4	30
1254-10SYGT/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Trans	160 / 320	2.0 / 2.4	30
1254-10UYD/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	30
1254-10SUGC/S400-A5	3	● Brilliant Green	Round	525	Water Clear	1000 / 2000	3.3 / 3.7	20
1254-10UYOT/S530-A3	3	● Brilliant Orange	Round	605	Yellow OrangeTrans	250 / 500	2.0 / 2.4	30



UNIT : mm

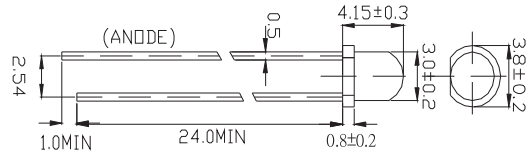


Product	Size (mm)	Color	Lens Type	λ_d (nm)/CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1259-7SDRSYGW/S530-A3	3	● Deep Red ● Brilliant Yellow Green	Round	639 / 573	White Diffused	16 / 32 25 / 50	2.0 / 2.4 2.0 / 2.4	50
1259-7SURLSYGW/S530-A3	3	● Brilliant Red ● Brilliant Yellow Green	Round	624 / 573	White Diffused	40 / 80 16 / 32	2.0 / 2.4 2.0 / 2.4	60
1259-7UYSYGW/S530-A3	3	● Brilliant Yellow ● Brilliant Yellow Green	Round	589 / 573	White Diffused	63 / 125 40 / 80	2.0 / 2.4 2.0 / 2.4	40
1259-7UYOSYGW/S530-A3	3	● Brilliant Orange ● Brilliant Yellow Green	Round	605/573	White Diffused	63 / 125 25 / 50	2.0 / 2.4 2.0 / 2.4	60

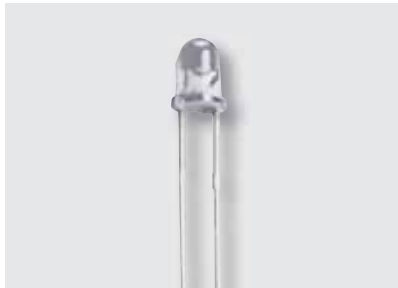
LED Lamps | 3mm Round Type



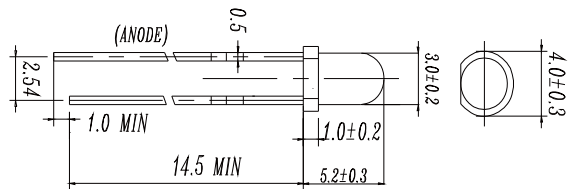
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
3294-15SUBC/S400-A6	3	Blue	Round	470	Water Clear	160 / 320	3.4 / 4.0	90
3294-15SUGC/S400-A6	3	Brilliant Green	Round	525	Water Clear	500 / 1250	3.4 / 4.0	45
3294-15SURC/S400-A7	3	Brilliant Red	Round	624	Water Clear	100 / 200	2.0 / 2.4	90
3294-15UBGC/S400-A6	3	Bluish Green	Round	505	Water Clear	400 / 800	3.5 / 4.3	90
3294-15UYC/S530-A5	3	Brilliant Yellow	Round	589	Water Clear	100/200	2.0/2.4	70
3294-15SYGC/S530-E2	3	Brilliant Yellow Green	Round	573	Water Clear	16/32	2.0/2.4	70



UNIT : mm

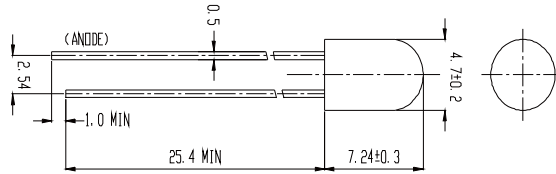


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
4204-10SYGC/S530-E4	3	Brilliant Yellow Green	Round	573	Water Clear	250 / 500	2.0 / 2.4	20
4204-10SURC/S530-A3	3	Brilliant Red	Round	624	Water Clear	320 / 500	2.0 / 2.4	25
4204-10SDRC/S530-A3	3	Deep Red	Round	639	Water Clear	160 / 320	2.0 / 2.4	30
4204-10UYC/S530-A3	3	Brilliant Yellow	Round	589	Water Clear	250 / 500	2.0 / 2.4	30
4204-10UYOC/S530-A3	3	Brilliant Orange	Round	605	Water Clear	250 / 500	2.0 / 2.4	20
4204-10USOC/S530-A3	3	Reddish Orange	Round	615	Water Clear	160 / 320	2.0 / 2.4	20
4204-10SUBC/S400-X9	3	Blue	Round	470	Water Clear	630 / 1250	3.3 / 3.7	25
4204-10SUGC/S400-A5	3	Brilliant Green	Round	525	Water Clear	2500 / 5000	3.3 / 3.7	20

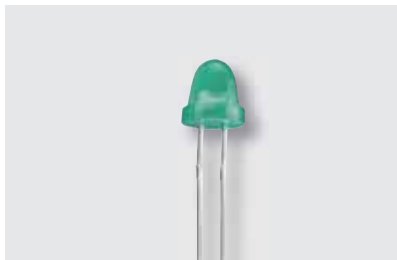
LED Lamps ■ 5mm Round Type



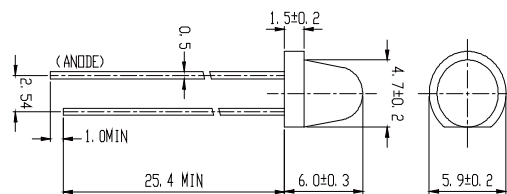
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
313-2SYGC/S530-E2	4.7	● Brilliant Yellow Green	Round	573	Water Clear	250 / 500	2.0 / 2.4	20
313-2UYD/S530-A3	4.7	● Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	50
313-2SURC/S530-A3	4.7	● Brilliant Red	Round	624	Water Clear	383 / 574	2.0 / 2.4	20
313-2UYOC/S530-A3	4.7	● Brilliant Orange	Round	605	Water Clear	410 / 720	2.0 / 2.4	20
313-2USOC/S400-A3	4.7	● Reddish Orange	Round	615	Water Clear	460 / 723	2.0 / 2.4	20
313-2SUBC/C470/S400-A5	4.7	● Blue	Round	470	Water Clear	1000 / 2000	3.3 / 3.7	20



UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
323-2SURD/S530-A3	4.7	● Brilliant Red	Round	624	Red Diffused	63 / 100	2.0 / 2.4	40
323-2SYGD/S530-E2	4.7	● Brilliant Yellow Green	Round	573	Green Diffused	40 / 80	2.0 / 2.4	60
323-2SUBC/S400-X9	4.7	● Blue	Round	470	Water Clear	1000 / 2000	3.3 / 3.7	40
323-2SDRD/S530-A3	4.7	● Deep Red	Round	639	Red Diffused	25 / 50	2.0 / 2.4	60
323-2UYD/S530-A3	4.7	● Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	50
323-2SUGC/S400-X4	4.7	● Brilliant Green	Round	525	Water Clear	2500 / 4500	3.3 / 3.7	25

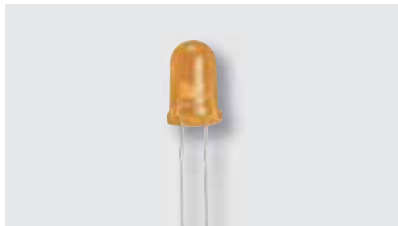
LED Lamps | 5mm Round Type



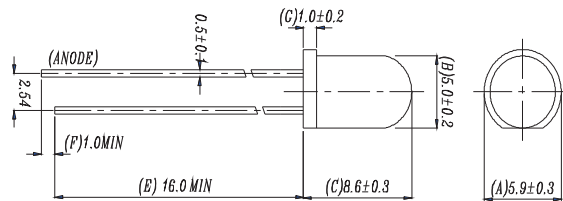
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
336SURSYGW/S530-A3	5	● Brilliant Red ● Brilliant Yellow Green	Round	624 / 573	White Diffused	16 / 32 16 / 32	2.0 / 2.4 2.0 / 2.4	90
336SYGSYGD/S530-E2	5	● Brilliant Yellow Green	Round	573 / 573	Green Diffused	8 / 16	2.0 / 2.4	90
336UYSYGW/S530-A3	5	● Brilliant Yellow ● Brilliant Yellow Green	Round	589/573	White Diffused	40 / 80 16 / 32	2.0 / 2.4 2.0 / 2.4	80

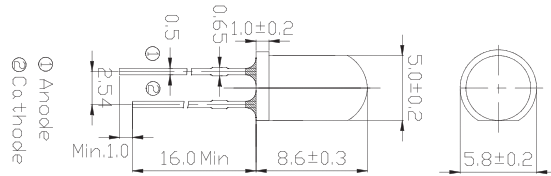


UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
333-2SDRC/S530-A4	5	● Deep Red	Round	639	Water Clear	400 / 1000	2.0 / 2.4	10
333-2SUBC/C470/S400-A6	5	● Blue	Round	470	Water Clear	1000 / 2000	3.4 / 4.0	10
333-2SUGC/S400-A5	5	● Brilliant Green	Round	525	Water Clear	4000 / 8000	3.4 / 4.0	15
333-2SURC/S400-A8	5	● Brilliant Red	Round	624	Water Clear	3200 / 5000	2.0 / 2.4	10
333-2SYGC/S530-E2	5	● Brilliant Yellow Green	Round	573	Water Clear	400 / 800	2.0 / 2.4	10
333-2UTC/S400-A6	5	○ White	Round	x=0.29, y=0.30	Water Clear	3600 / 9000	3.2 / 3.6	15
333-2UYC/S400-A4	5	● Brilliant Yellow	Round	589	Water Clear	1432 / 2148	2.0 / 2.4	10
333-2UYC/S530-A3	5	● Brilliant Yellow	Round	589	Water Clear	630 / 1600	2.0 / 2.4	10
333-2UYOC/S530-A3	5	● Brilliant Orange	Round	605	Water Clear	980 / 1710	2.0 / 2.4	10

UNIT : mm



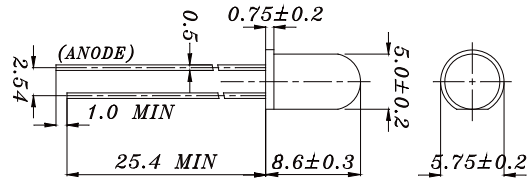
Product	Size (mm)	Color	Lens Type	λ_d (nm)/CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
334-15/F1C1-1XZA	5	○ White	Round	x=0.29, y=0.28	Water Clear	18000 / 36000	3.2 / 3.6	15
334-15/T1C1-4WYA	5	○ White	Round	x=0.30, y=0.29	Water Clear	14250 / 28500	3.2 / 3.6	15
334-15/T2C1-1UWA	5	○ White	Round	x=0.29, y=0.28	Water Clear	9000 / 18000	3.2 / 3.6	15
334-15/F1C2-7VXA	5	○ White	Round	x=0.30, y=0.29	Water Clear	11250 / 22500	3.2 / 3.6	20
334-15/T2C2-1TWB	5	○ White	Round	x=0.29, y=0.28	Water Clear	7150 / 18000	3.2 / 3.6	20
334-15/T1C3-4SUC	5	○ White	Round	x=0.30, y=0.29	Water Clear	5650 / 11250	3.2 / 3.6	30
334-15/T2C3-6RTB	5	○ White	Round	x=0.33, y=0.24	Water Clear	4500 / 9000	3.2 / 3.6	30
334-15/F1C5-1RTA	5	○ White	Round	x=0.29, y=0.28	Water Clear	4500 / 9000	3.2 / 3.6	50
334-15/T1C5-7QSA	5	○ White	Round	x=0.30, y=0.29	Water Clear	3600 / 7150	3.2 / 3.6	50
334-15/T2C5-2PSB	5	○ White	Round	x=0.26, y=0.27	Water Clear	2850 / 7150	3.2 / 3.6	50
334-15/X2C1-1UWB	5	● Warm White	Round	x=0.40, y=0.39	Water Clear	9000 / 18000	3.2 / 3.6	15
334-15/X1C2-1UWA	5	● Warm White	Round	x=0.40, y=0.39	Water Clear	9000 / 18000	3.2 / 3.6	20
334-15/X2C3-1QTA	5	● Warm White	Round	x=0.40, y=0.39	Water Clear	3600 / 9000	3.2 / 3.6	30
334-15/X1C5-1QSA	5	● Warm White	Round	x=0.40, y=0.39	Water Clear	3500 / 7150	3.2 / 3.6	50
334-15/X2C5-1PSB	5	● Warm White	Round	x=0.40, y=0.39	Water Clear	2850 / 7150	3.2 / 3.6	50

121

LED Lamps | 5mm Round Type



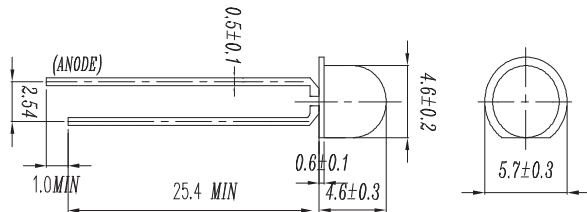
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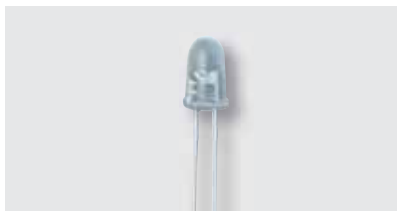
Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1383-2SDRD/S530-A3	5	Deep Red	Round	639	Red Diffused	160 / 320	2.0 / 2.4	30
1383-2SUGT/S400-A4	5	Brilliant Green	Round	525	Green Trans	5000 / 10000	3.3 / 3.7	15
1383-2SURD/S530-A3	5	Brilliant Red	Round	624	Red Diffused	250 / 500	2.0 / 2.4	40
1383SYGD/S530-E2	5	Brilliant Yellow Green	Round	573	Green Diffused	100 / 200	2.0 / 2.4	25
1383UYD/S530-A3	5	Brilliant Yellow	Round	589	Yellow Diffused	400 / 800	2.0 / 2.4	25



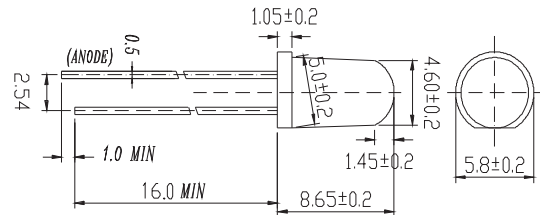
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
6324-15SUBC/S400-X10	4.6	Blue	Round	470	Water Clear	250 / 500	3.4 / 4.0	60
6324-15SURC/S400-A9	4.6	Brilliant Red	Round	624	Water Clear	160 / 320	2.0 / 2.4	100
6324-15SUGC/S400-A5	4.6	Brilliant Green	Round	525	Water Clear	630 / 1250	3.3 / 3.7	50
6324-15SYGC/S530-E5	4.6	Brilliant Yellow Green	Round	573	Water Clear	40 / 80	2.0 / 2.4	70

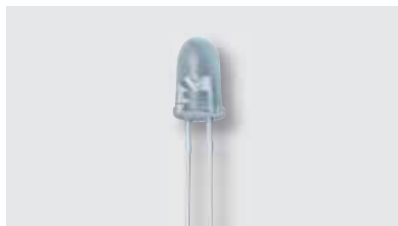


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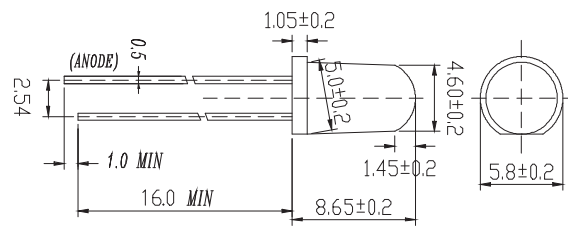


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
7343-2SURC/S530-A3	4.6	Brilliant Red	Round	624	Water Clear	400 / 800	2.0 / 2.4	20
7343-2SYGC/S530-E2	4.6	Brilliant Yellow Green	Round	573	Water Clear	160 / 320	2.0 / 2.4	20
7343-2USOC/S530-A3	4.6	Reddish Orange	Round	615	Water Clear	630 / 1250	2.0 / 2.4	20
7343-2UYC/S530-A3	4.6	Brilliant Yellow	Round	589	Water Clear	1000 / 2000	2.0 / 2.4	15
7343-2SUBC/S400-A4	4.6	Blue	Round	470	Water Clear	630/1250	2.7/3.7	15
7343-2SURC/S530-A3	4.6	Brilliant Red	Round	624	Water Clear	400/800	1.7/2.4	20
7343-2SYGD/S530-E3	4.6	Brilliant Yellow Green	Round	573	Green Diffused	63/125	1.7/2.4	40
7343-2UYC/S530-A3	4.6	Brilliant Yellow	Round	589	Water Clear	500/800	1.7/2.4	20

LED Lamps | 5mm Round Type

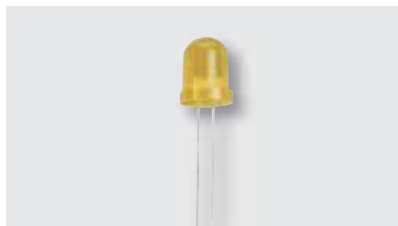


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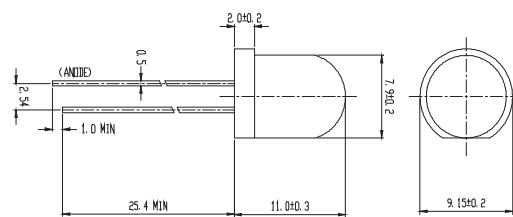


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
7344-15SUBC/C470/S400-A6	4.6	Blue	Round	470	Water Clear	1000 / 2000	3.4 / 4.0	30
7344-15SUGC/S400-A5	4.6	Brilliant Green	Round	525	Water Clear	5000 / 8000	3.4 / 4.0	30
7344-15SUGC/S400-X6	4.6	Brilliant Green	Round	525	Water Clear	8000 / 11000	3.4 / 4.0	20

LED Lamps | 8mm Round Type

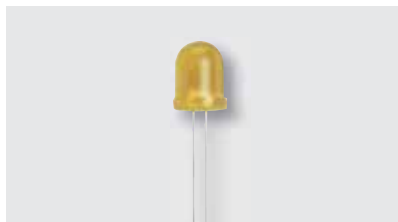


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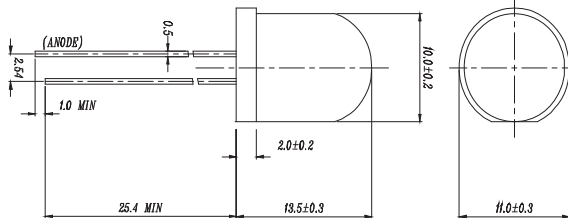


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
393-2SURD/S530-A3	7.9	Brilliant Red	Round	624	Red Diffused	63 / 125	2.0 / 2.4	60
393UYD/S530-A3	7.9	Brilliant Yellow	Round	589	Yellow Diffused	80 / 125	2.0 / 2.4	60
393-2SYGC/S530-E2	7.9	Brilliant Yellow Green	Round	573	Water Clear	320 / 630	2.0 / 2.4	20
393-2SUBC/S400-X9	7.9	Blue	Round	470	Water Clear	1600 / 320	3.3 / 3.7	20
393-2SUGC/S400-A6	7.9	Brilliant Green	Round	525	Water Clear	630 / 1250	3.3 / 3.7	20

LED Lamps | 10mm Round Type



UNIT : mm

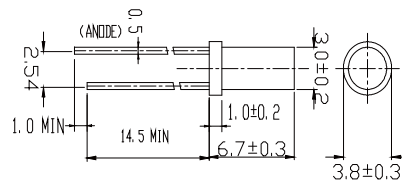


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
363-2SURD/S530-A3	10	Brilliant Red	Round	624	Red Diffused	63 / 125	2.0 / 2.4	40
363-2SYGD/S530-E2	10	Brilliant Yellow Green	Round	573	Green Diffused	16 / 32	2.0 / 2.4	30
363-2UYC/S530-A3	10	Brilliant Yellow	Round	589	Water Clear	250 / 630	2.0 / 2.4	25
363-2SUBC/S400-X9	10	Blue	Round	470	Water Clear	2500 / 5000	3.3 / 3.7	10
363-2SDRD/S530-A3	10	Deep Red	Round	639	Red Diffused	40 / 80	2.0 / 2.4	40
363-2SUGD/S400-A4	10	Brilliant Green	Round	525	Green Diffused	630 / 1250	3.3 / 3.7	40

LED Lamps | 3mm Cylindrical



UNIT : mm

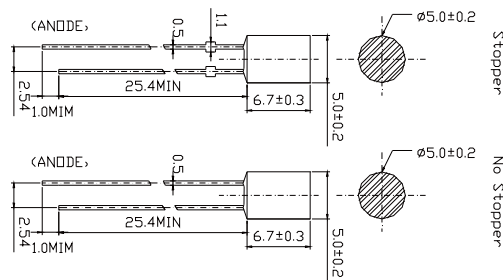


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
414-10UYD/S530-A3	3	● Brilliant Yellow	Cylindrical	589	Yellow Diffused	25 / 40	2.0 / 2.4	120
414-10SURD/S530-A3	3	● Brilliant Red	Cylindrical	624	Red Diffused	16 / 32	2.0 / 2.4	120

LED Lamps | 5mm Cylindrical



UNIT : mm

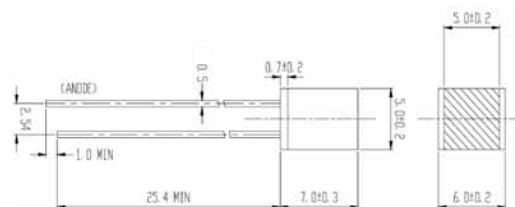


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
423-2UYC/S530-A6	5	● Brilliant Yellow	Cylindrical	589	Water Clear	100 / 200	2.0 / 2.4	90
423-2SURC/S530-A3	5	● Brilliant Red	Cylindrical	624	Water Clear	25 / 63	2.0 / 2.4	80
423-2SYGC/S530-E2	5	● Brilliant Yellow Green	Cylindrical	573	Water Clear	40 / 80	2.0 / 2.4	60
423-2SUBC/S400-A4	5	● Blue	Cylindrical	470	Water Clear	63 / 100	3.3 / 3.7	70
423-2SUGC/S400-X6	5	● Brilliant Green	Cylindrical	525	Water Clear	400 / 800	3.3 / 3.7	80
423-2UYOC/S530-A3	5	● Brilliant Orange	Cylindrical	605	Water Clear	63 / 125	2.0 / 2.4	80

LED Lamps | 5mm Square



UNIT : mm

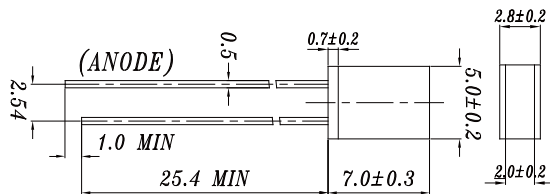


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
583SURD/S530-A3	5x5	● Brilliant Red	Square	624	Red Diffused	12.5 / 20	2.0 / 2.4	130
583SYGD/S530-E2	5x5	● Brilliant Yellow Green	Square	573	Green Diffused	2.5 / 5	2.0 / 2.4	170
583UYD/S530-A3	5x5	● Brilliant Yellow	Square	589	Yellow Diffused	10 / 20	2.0 / 2.4	170

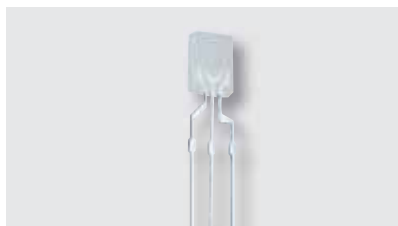
LED Lamps | Rectangular



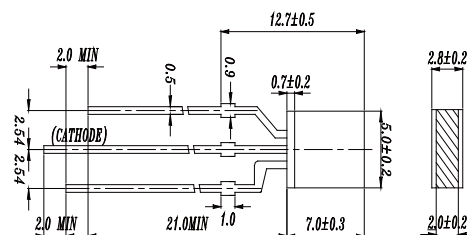
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
513SURD/S530-A3	2x5	● Brilliant Red	Rectangle	624	Red Diffused	10 / 20	2.0 / 2.4	180
513SYGD/S530-E2	2x5	● Brilliant Yellow Green	Rectangle	573	Green Diffused	6.3 / 12.5	2.0 / 2.4	140
513UYD/S530-A3	2x5	● Brilliant Yellow	Rectangle	589	Yellow Diffused	20 / 32	2.0 / 2.4	150
513-2SUBC/S400-A6	2x5	● Blue	Rectangle	470	Water Clear	100 / 200	3.3 / 3.7	80
513-2SDRD/S530-A3	2x5	● Deep Red	Rectangle	639	Red Diffused	10 / 16	2.0 / 2.4	140
513-2UYOT/S530-A3	2x5	● Brilliant Orange	Rectangle	605	Yellow Trans	40 / 80	2.0 / 2.4	40



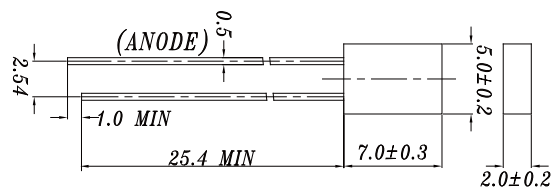
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
519-1SURSYGW/S530-A3	2x5	● Brilliant Red ● Brilliant Yellow Green	Rectangle	624 / 573	White Diffused	6.3 / 12.5 2.5 / 5.0	2.0 / 2.4 2.0 / 2.4	180
519-1SDRSYGW/S530-A3	2x5	● Deep Red ● Brilliant Yellow Green	Rectangle	639/573	White Diffused	6.3 / 12.5 4 / 8	2.0 / 2.4 2.0 / 2.4	180
519-1UYSYGW/S530-A3	2x5	● Brilliant Yellow ● Brilliant Yellow Green	Rectangle	589/573	White Diffused	6.3 / 12.5 4 / 8	2.0 / 2.4 2.0 / 2.4	180



UNIT : mm

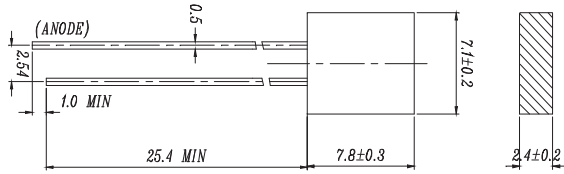


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
523-2SDRD/S530-A3	2x5	● Deep Red	Rectangle	639	Red Diffused	10 / 16	2.0 / 2.4	120
523-2SURD/S530-A3	2x5	● Brilliant Red	Rectangle	624	Red Diffused	16 / 32	2.0 / 2.4	120
523-2SUGD/S400-A6	2*5	● Brilliant Green	Rectangle	525	Green Diffused	160 / 320	3.3 / 3.7	130
523-2SUBC/S400-A4	2*5	● Blue	Rectangle	470	Water Clear	63 / 100	3.3 / 3.7	90
523-2UYOD/S530-A3	2*5	● Brilliant Orange	Rectangle	605	Yellow Diffused	16 / 32	2.0 / 2.4	150
523-2USOD/S530-A3	2*5	● Reddish Orange	Rectangle	615	Orange Diffused	10 / 20	2.0 / 2.4	180
523-2UYD/S530-A3	2x5	● Brilliant Yellow	Rectangle	589	Yellow Diffused	6.3 / 12.5	2.0 / 2.4	180
523SYGD/S530-E2	2x5	● Brilliant Yellow Green	Rectangle	573	Green Diffused	4 / 8	2.0 / 2.4	150

LED Lamps | Rectangular



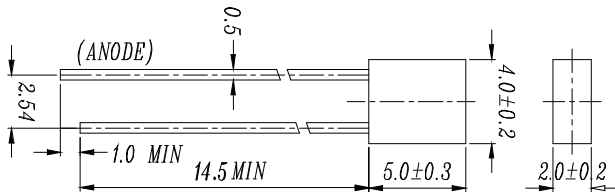
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
573SDRD/S530-A3	2.4x7.1	● Deep Red	Rectangular	639	Red Diffused	4 / 8	2.0 / 2.4	180
573SUBD/S400-X9	2.4x7.1	● Blue	Rectangular	470	Blue Diffused	40 / 80	3.3 / 3.7	150
573SUGD/S400-A5	2.4x7.1	● Brilliant Green	Rectangular	525	Green Diffused	180 / 320	3.3 / 3.7	150
573SURD/S530-A3	2.4x7.1	● Brilliant Red	Rectangular	624	Red Diffused	16 / 25	2.0 / 2.4	120
573SYGD/S530-E2	2.4x7.1	● Brilliant Yellow Green	Rectangular	573	Green Diffused	2.5 / 5.0	2.0 / 2.4	180
573SUGD/S400-A5	2.4*7.1	● Brilliant Green	Rectangular	525	Green Diffused	160/320	3.4/4.0	150



UNIT : mm

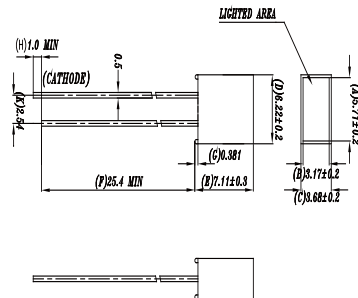


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
594SUBC/C470/S400-A4	2x4	● Blue	Rectangular	470	Water Clear	40 / 63	3.4 / 4.0	100
594SURD/S530-A3	2x4	● Brilliant Red	Rectangular	624	Red Diffused	10 / 16	2.0 / 2.4	170
594SUGC/S400-A5	2x4	● Brilliant Green	Rectangular	525	Water Clear	160 / 320	3.3 / 3.7	100
594SDRC/S530-A3	2x4	● Deep Red	Rectangular	639	Water Clear	10 / 20	2.0 / 2.4	120
594UYD/S530-A3	2x4	● Brilliant Yellow	Rectangular	589	Yellow Diffused	10 / 20	2.0 / 2.4	180
594SYGD/S530-E2	2x4	● Brilliant Yellow Green	Rectangular	573	Green Diffused	4.0 / 8.0	2.0 / 2.4	180
594UYD/S530-A3	2x4	● Brilliant Yellow	Rectangular	589	Yellow Diffused	10 / 20	2.0 / 2.4	180

LED Lamps | Rectangular



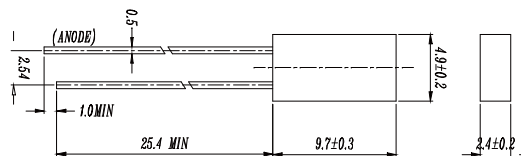
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1003SURD/S530-A3	3.68x6.22	● Brilliant Red	Rectangular	624	Red Diffused	25 / 50	2.0 / 2.4	110
1003SYGD/S530-E2	3.68x6.22	● Brilliant Yellow Green	Rectangular	573	Green Diffused	6.3 / 12.5	2.0 / 2.4	110
1003UYD/S530-A3	3.68x6.22	● Brilliant Yellow	Rectangular	589	Yellow Diffused	25 / 50	2.0 / 2.4	110
1003SDRD/S530-A3	3.68x6.22	● Deep Red	Rectangular	639	Red Diffused	10 / 20	2.0 / 2.4	110
1003SUBD/S400-A6	3.68x6.22	● Blue	Rectangular	470	Blue Diffused	63 / 125	3.3 / 3.7	100
1003SUGD/S400-A4	3.68x6.22	● Brilliant Green	Rectangular	525	Green Diffused	16 / 50	3.3 / 3.7	110



UNIT : mm

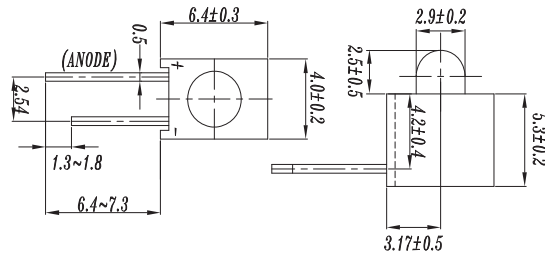


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
1533SYGD/S530-E2/O	2.4x4.9	● Brilliant Yellow Green	Round	573	Green Diffused	2.5 / 5.0	2.0 / 2.4	180
1533USOD/S530-A3	2.4x4.9	● Reddish Orange	Round	615	Orange Diffused	6.3 / 12.5	2.0 / 2.4	180
1533SURD/S530-A3	2.4x4.9	● Brilliant Red	Round	624	Red Diffused	10 / 20	2.0 / 2.4	170
1533UYD/S530-A3	2.4x4.9	● Brilliant Yellow	Round	589	Yellow Diffused	10 / 20	2.0 / 2.4	180

LED Lamps | 3mm Assembly LED



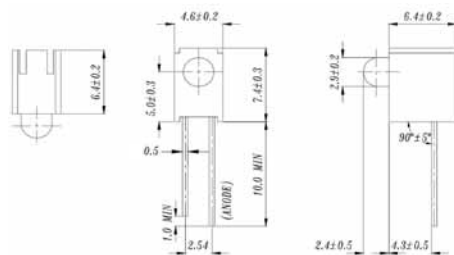
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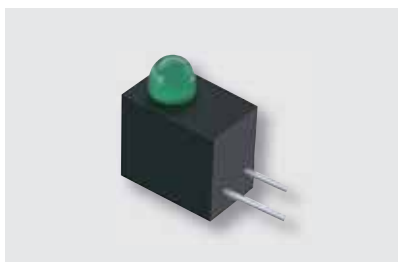
Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A214B/SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	63 / 120	2.0 / 2.4	60
A214B/SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	16 / 32	2.0 / 2.4	60
A214B/UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	50 / 100	2.0 / 2.4	60
A214B/SUBC/C470/S400-A4	3	● Blue	Round	470	Water Clear	250 / 500	3.3 / 3.7	30
A214B/SDR/S530-A3	3	● Deep Red	Round	639	Red Diffused	40 / 80	2.0 / 2.4	60
A214B/SUG/S400-X6	3	● Brilliant Green	Round	525	Green Diffused	630 / 1250	3.3 / 3.7	30
A214B/USOC/S530-A3	3	● Reddish Orange	Round	615	Water Clear	100 / 200	2.0 / 2.4	40



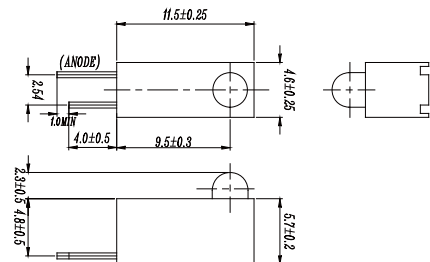
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A264B/SUB/S400-A4	3	● Blue	Round	470	Blue Diffused	160 / 250	3.4 / 4.0	35
A264B/SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	63 / 120	2.0 / 2.4	60
A264B/SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	25 / 50	2.0 / 2.4	60
A264B/UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	50 / 100	2.0 / 2.4	60
A264B/SDR/S530-A3	3	● Deep Red	Round	639	Red Diffused	40 / 80	2.0 / 2.4	60
A264B/UYO/S530-A3	3	● Brilliant Orange	Round	605	Yellow Diffused	63 / 125	2.0 / 2.4	60
A264B/SUG/S400-A4	3	● Brilliant Green	Round	525	Green Diffused	630 / 1250	3.3 / 3.7	40

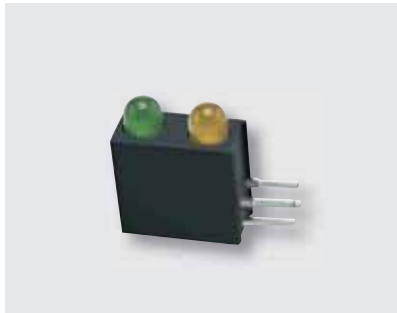


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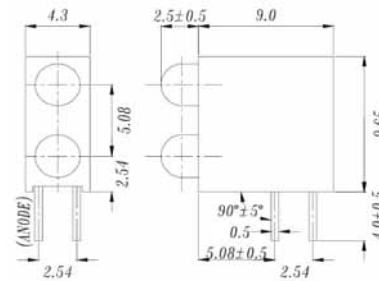


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A274B/SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	25 / 50	2.0 / 2.4	60
A274B/SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	63 / 125	2.0 / 2.4	60
A274B/UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	40 / 80	2.0 / 2.4	60
A274B/SUB/S400-X9	3	● Blue	Round	470	Blue Diffused	400 / 800	3.3 / 3.7	30
A274B/SDR/S530-A3	3	● Deep Red	Round	639	Red Diffused	40 / 80	2.0 / 2.4	60

LED Lamps | 3mm Assembly LED



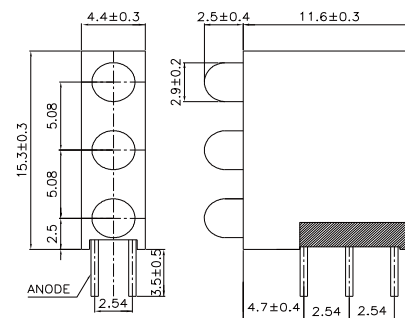
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A694B/2SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	10 / 25	2.0 / 2.4	60
A694B/2SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	25 / 50	2.0 / 2.4	60
A694B/2UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	16 / 32	2.0 / 2.4	60
A694B/SURSYG/S530-A3	3	● Brilliant Red ● Brilliant Yellow Green	Round	624 / 573	Red Diffused Green Diffused	40 / 80 25 / 50	2.0 / 2.4 2.0 / 2.4	60 / 60
A694B/SYGUY/S530-A3	3	● Brilliant Yellow Green ● Brilliant Yellow	Round	573 / 589	Red Diffused Green Diffused	25 / 50 40 / 80	2.0 / 2.4 2.0 / 2.4	60 / 60
A694B/2SUB/S400-A6	3	● Blue	Round	470	Blue Diffused	250 / 500	3.3 / 3.7	30

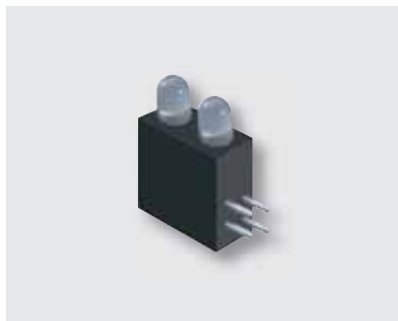


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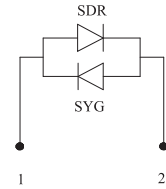
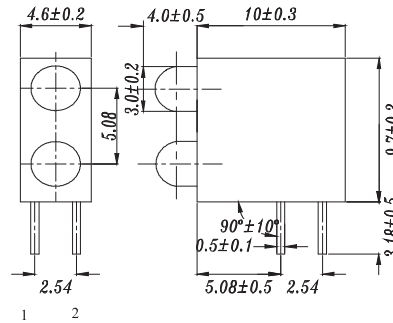


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A1394B/3SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	25 / 50	2.0 / 2.4	60
A1394B/3UYO/S530-A3	3	● Brilliant Orange	Round	605	Yellow Diffused	63 / 200	2.0 / 2.4	60
A1394B/3SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	63 / 125	2.0 / 2.4	60
A1394B/3UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	63 / 125	2.0 / 2.4	60

LED Lamps | 3mm Assembly LED



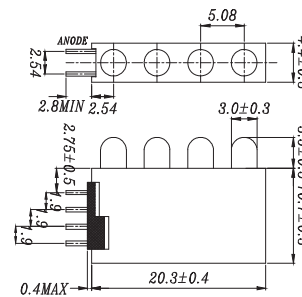
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A2784B/2SYGSDRW/ S530-A3	3	● Brilliant Yellow Green ● Deep Red	Round	573 / 639	White Diffused	16 / 32 25 / 50	2.0 / 2.4 2.0 / 2.4	50
A2784B/2SURYSGW/ S530-A3	3	● Brilliant Red ● Brilliant Yellow Green	Round	624/573	White Diffused	16 / 32 10 / 20	2.0 / 2.4 2.0 / 2.4	70
A2784B/2SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Color Diffused	25 / 50	2.0 / 2.4	50
A2784B/SDRSYG/S530-A3	3	● Deep Red ● Brilliant Yellow Green	Round	639/573	Red Diffused Green Diffused	40 / 80 25 / 50	2.0 / 2.4 2.0 / 2.4	60

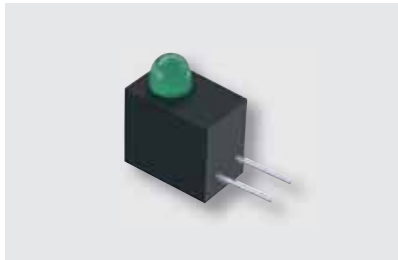


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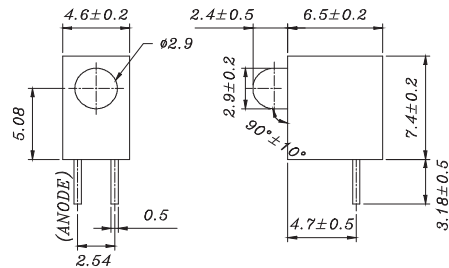


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A1844B/4SYG/S530-E2	3	● Brilliant Yellow Green	Round	573	Green Diffused	16 / 32	2.0 / 2.4	60
A1844B/2SYG2SUR/S530-E2	3	● Brilliant Yellow Green ● Brilliant Red	Round	573/624	Green Diffused Red Diffused	25 / 50 63 / 125	2.0 / 2.4 2.0 / 2.4	60
A1844B/2SYG2UY/S530-A2	3	● Brilliant Yellow Green ● Brilliant Yellow	Round	573/589	Green Diffused Yellow Diffused	2.5 / 10 1.6 / 4	2.0 / 2.4 2.0 / 2.4	60
A1844B/4SUBW/C470/S400-A6	3	● Blue	Round	470	White Diffused	63 / 125	3.3 / 3.7	60
A1844B/4SUR/S530-A3	3	● Brilliant Red	Round	624	Red Diffused	40 / 63	2.0 / 2.4	60
A1844B/4UY/S530-A3	3	● Brilliant Yellow	Round	589	Yellow Diffused	50 / 100	2.0 / 2.4	60

LED Lamps | 5mm Assembly LED



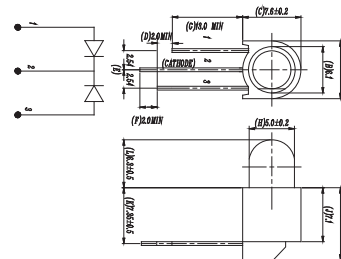
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A2774B/SYG/S530-E2	2.9	● Brilliant Yellow Green	Round	573	Green Diffused	25 / 50	2.0 / 2.4	60
A2774B/UY/S530-A3	2.9	● Brilliant Yellow	Round	589	Yellow Diffused	40/80	2.0/2.4	60
A2774B/SUR/S530-A3	2.9	● Brilliant Red	Round	624	Red Diffused	125/320	2.0/2.4	30
A2774B/UYSYGW/S530-A3	2.9	● Brilliant Yellow ● Brilliant Yellow Green	Round	589/573	White Diffused	16/32 16/32	2.0/2.4 2.0/2.4	100
A2774B/SUB/S400-X9	2.9	● Blue	Round	470	Blue Diffused	400/800	3.3/3.7	30



UNIT : mm

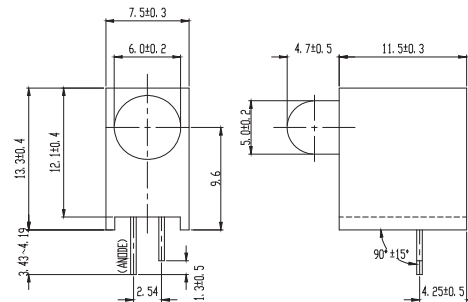


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_v (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A1479-1B/SURSYGW/S530-A3	5	● Brilliant Red ● Brilliant Yellow Green	Round	624 / 573	White Diffused	25 / 50 16 / 32	2.0 / 2.4 2.0 / 2.4	100
A1479-1B/UYUYW/S530-A3	5	● Brilliant Yellow ● Brilliant Yellow	Round	589	White Diffused	25 / 50	2.0 / 2.4	100
A1479-1B/UYSYGW/S530-A3	5	● Brilliant Yellow ● Brilliant Yellow Green	Round	589/573	White Diffused	32 / 63 20 / 40	2.0 / 2.4 2.0 / 2.4	70
A1479-1B/SURSYGW/S530-A3	5	● Brilliant Red ● Brilliant Yellow Green	Round	624/573	White Diffused	25 / 50 16 / 32	2.0 / 2.4 2.0 / 2.4	100
A1479-1B/SYGUYOW/S530-A3	5	● Brilliant Yellow Green ● Brilliant Orange	Round	573/605	White Diffused	25 / 50 40 / 80	2.0 / 2.4 2.0 / 2.4	60

LED Lamps | 5mm Assembly LED



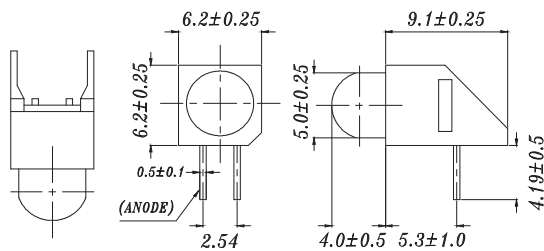
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A203B/SUR/S530-A3	5	● Brilliant Red	Round	624	Red Diffused	100 / 200	2.0 / 2.4	30
A203B/SYG/S530-E2	5	● Brilliant Yellow Green	Round	573	Green Diffused	40 / 80	2.0 / 2.4	45
A203B/UY/S530-A3	5	● Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	30
A203B/SUB/S400-A6	5	● Blue	Round	470	Blue Diffused	630 / 1250	3.3 / 3.7	60



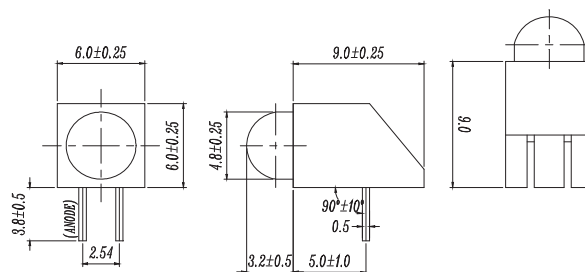
UNIT : mm



Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A253B/SUR/S530-A3	5	● Brilliant Red	Round	624	Red Diffused	100 / 200	2.0 / 2.4	30
A253B/SYG/S530-E2	5	● Brilliant Yellow Green	Round	573	Green Diffused	40 / 80	2.0 / 2.4	45
A253B/UY/S530-A3	5	● Brilliant Yellow	Round	589	Yellow Diffused	100 / 200	2.0 / 2.4	30
A253B/SUB/S400-A4	5	● Blue	Round	470	Blue Diffused	200 / 400	3.3 / 3.7	25

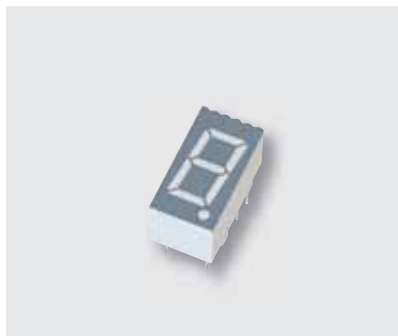


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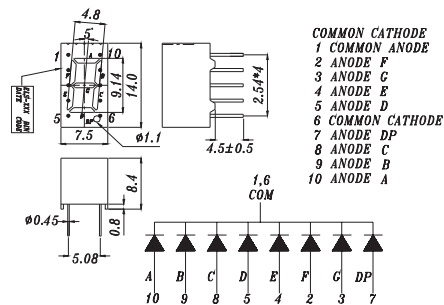


Product	Size (mm)	Color	Lens Type	λ_d (nm)/ CIE(x,y)	Resin Color	I_V (Min/Typ) (mcd)	V_F (Typ/Max) (V)	Viewing Angle (°)
A93B/SUR/S530-A3	4.7	● Brilliant Red	Round	624	Red Diffused	100 / 250	2.0 / 2.4	40
A93B/UY/S530-A3	4.7	● Brilliant Yellow	Round	589	Yellow Diffused	50 / 120	2.0 / 2.4	40
A93B/SYG/S530-E2	4.7	● Brilliant Yellow Green	Round	573	Green Diffused	40 / 80	2.0 / 2.4	80
A93B/SDR/S530-A3	4.7	● Deep Red	Round	639	Red Diffused	63 / 100	2.0 / 2.4	50
A93B/SUB/S400-A6	4.7	● Blue	Round	470	Blue Diffused	400 / 800	3.3 / 3.7	20
A93B/SUGC/S400-X6	4.7	● Brilliant Green	Round	525	Water Clear	8000/11000	3.5/4.0	20

LED Digital Displays | Chip On Board Display | Single Digit Display



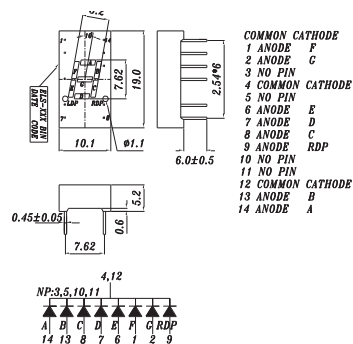
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S315SURWA/S530-A3	9.14 (0.3)	● Brilliant Red	4.8	CC	624	White	Gray	4.0 / 8.0
S315SYGWA/S530-E2	9.14 (0.3)	● Brilliant Yellow Green	4.8	CC	573	White	Gray	2.0 / 3.2



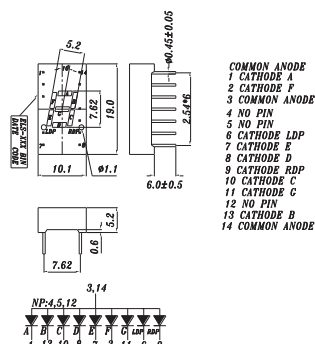
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S321SURWA/S530-A3	7.62 (0.3)	● Brilliant Red	5.2	CC	624	White	Gray	5.6 / 11.0
S321USOWA/S530-A4	7.62 (0.3)	● Reddish Orange	5.2	CC	615	White	Gray	7.8 / 17.6
S321SYGWA/S530-E2	7.62 (0.3)	● Brilliant Yellow Green	5.2	CC	573	White	Gray	2.8 / 6.4



UNIT : mm

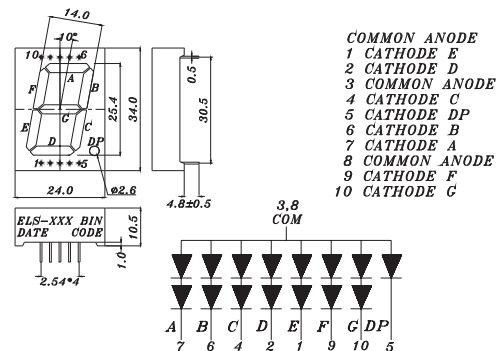


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S322SURWA/S530-A3	7.62 (0.3)	● Brilliant Red	5.2	CA	624	White	Gray	5.6 / 11.0
S322USOWA/S530-A4	7.62 (0.3)	● Reddish Orange	5.2	CA	615	White	Gray	7.8 / 17.6
S322SYGWA/S530-E2	7.62 (0.3)	● Green	5.2	CA	573	White	Gray	2.0 / 4.5
S322UBWA/C470	7.62 (0.3)	● Blue	5.2	CA	470	White	Gray	7.8 / 17.6

LED Digital Displays | Chip On Board Display | Single Digit Display



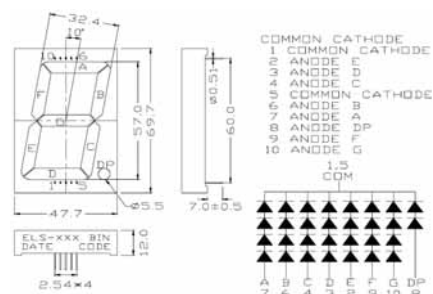
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S1006SURWA/S530-A3	25.4 (1)	Brilliant Red	14	CA	624	White	Gray	15 / 24
S1006SYGWA/S530-E2	25.4(1.0)	Brilliant Yellow Green	14	CA	573	White	Gray	5.6 / 12.5
S1006SDRDB/A3/S660	25.4(1.0)	Deep-Red	14	CA	639	Red	Black	11.0 / 24.0



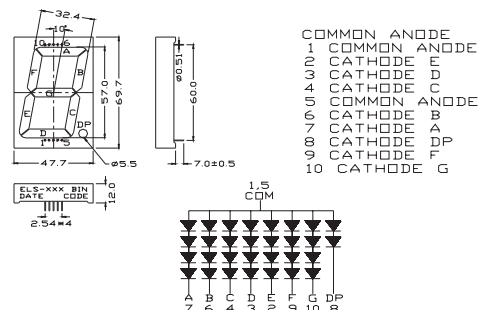
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S2325SURWA/S530-A3	57 (2)	Brilliant Red	32.4	CC	624	White	Gray	15 / 34



UNIT : mm

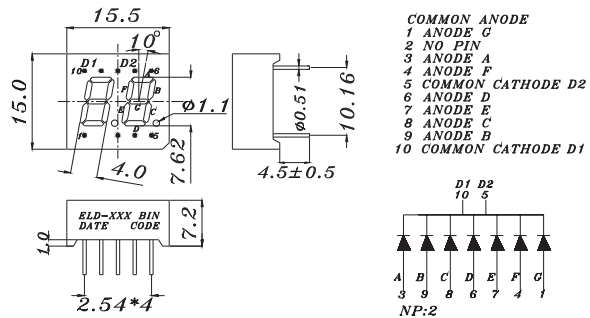


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
S2326SURWA/S530-A3	57 (2)	Brilliant Red	32.4	CA	624	White	Gray	15 / 34
S2326USOWA/S530-A4	57 (2)	Reddish Orange	32.4	CA	615	White	Gray	30 / 67
S2326SYGWA/S530-E2	57 (2)	Brilliant Yellow Green	32.4	CA	573	White	Gray	5.6 / 12.5
S2326UBWA/C470	57 (2)	Blue	32.4	CA	470	White	Gray	15 / 34

LED Digital Displays | Chip On Board Display | Dual Digit Display



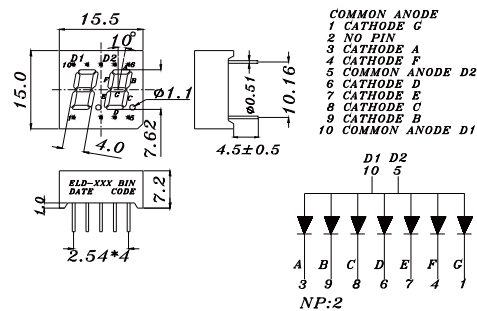
UNIT : mm



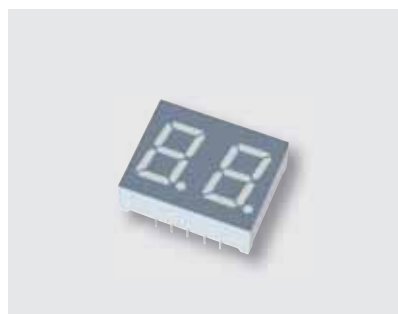
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D305SURWA/S530-A3	7.62 (0.3)	Brilliant Red	4	CC	624	White	Gray	4.0 / 6.4
D305SYGWA/S530-E2	7.62 (0.3)	Super Yellow Green	4	CC	573	White	Gray	1.05 / 1.68
D305SDRWB/S530-A3	7.62 (0.3)	Deep-Red	4	CC	639	White	Black	2.0 / 4.5



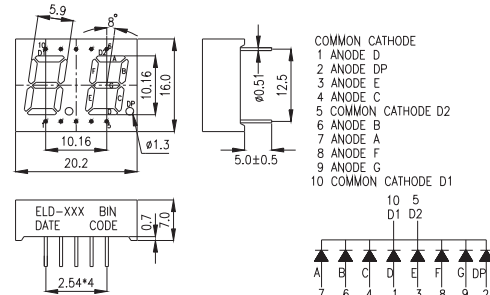
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D306SURWA/S530-A3	7.62 (0.3)	Brilliant Red	4	CA	624	White	Gray	4.0 / 6.4
D306SYGWA/S530-E2	7.62 (0.3)	Deep-Red	4	CA	639	White	Black	2.0 / 4.5
D306USOWA/S530-A3	7.62 (0.3)	Reddish Orange	4	CA	615	White	Gray	4.0 / 8.9



UNIT : mm

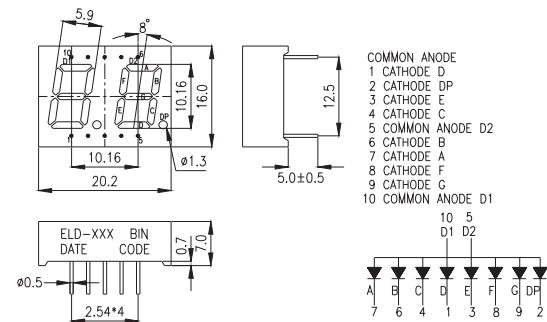


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D425SURWA/S530-A3	10.16 (0.4)	Brilliant Red	5.9	CC	624	White	Gray	7.8 / 15.0
D425USOWA/S530-A4	10.16 (0.4)	Reddish Orange	5.9	CC	615	White	Gray	11.0 / 24.0
D425SYGWA/S530-E2	10.16 (0.4)	Brilliant Yellow Green	5.9	CC	573	White	Gray	2.0 / 3.2
D425SDRWA/S530-A4	10.16 (0.4)	Deep-Red	5.9	CC	639	White	Gray	4.0 / 8.9

LED Digital Displays | Chip On Board Display | Dual Digit Display



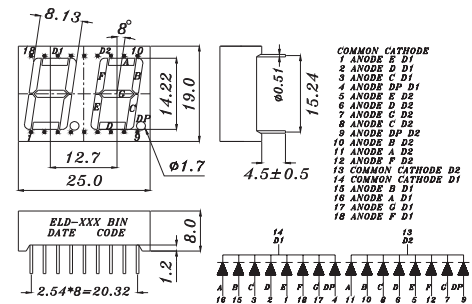
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D426SURWB/S530-A3	10.16 (0.4)	● Brilliant Red	5.9	CA	624	White	Black	7.8 / 15
D426USOWA/S530-A3	10.16 (0.4)	● Reddish Orange	5.9	CA	615	White	Gray	11 / 24
D426UYOWB/S530-A3	10.16 (0.4)	● Brilliant Yellow	5.9	CA	605	White	Black	5.6 / 12.5
D426SYGWA/S530-E2	10.16 (0.4)	● Brilliant Yellow Green	5.9	CA	573	White	Gray	2 / 3.2



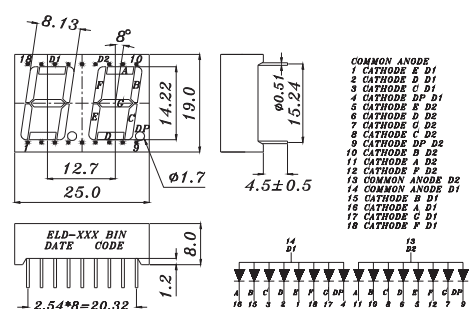
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D511SURWB/S530-A3	14.22 (0.5)	● Brilliant Red	8.13	CC	624	White	Black	7.8 / 15
D511SYGWA/S530-E2	14.22(0.5)	● Super Yellow Green	8.13	CC	573	White	Black	2.8 / 6.4
D511UBWA/C470	14.22(0.5)	● Blue	8.13	CC	470	White	Gray	4.0 / 6.4



UNIT : mm

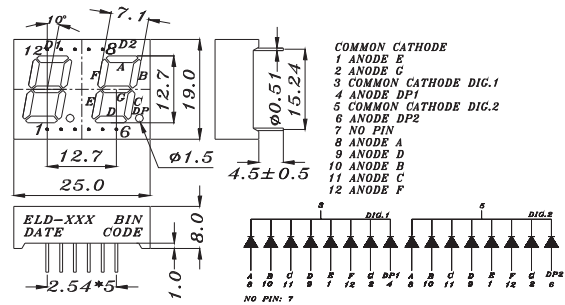


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D512SURWB/S530-A3	14.22 (0.5)	● Brilliant Red	8.13	CA	624	White	Black	7.8 / 15
D512UBWA/C470	14.22 (0.5)	● Blue	8.13	CA	470	White	Gray	4 / 6.4
D512SDRWB/S530-A3	14.22(0.5)	● Deep-Red	8.13	CA	639	White	Black	2.8 / 6.4
D512SYGWA/S530-E2	14.22(0.5)	● Brilliant Yellow Green	8.13	CA	573	White	Gray	2.8 / 6.4

LED Digital Displays | Chip On Board Display | Dual Digit Display



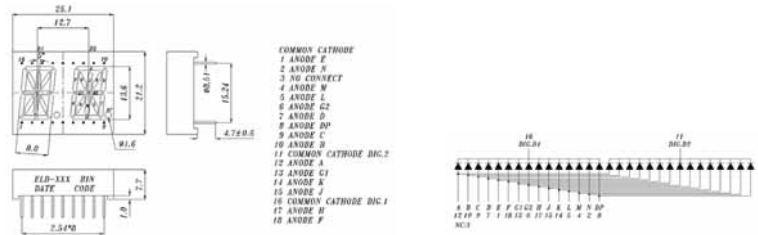
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D515SURWA/S530-A3	12.7 (0.5)	● Brilliant Red	7.1	CC	624	White	Gray	7.8 / 15



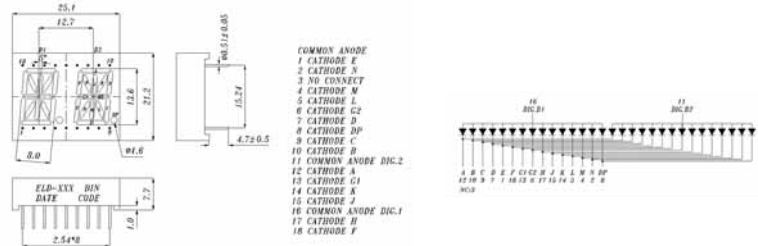
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D525SURWA/S530-A3	13.6 (0.5)	● Brilliant Red	8	CC	624	White	Gray	7.8 / 12.5
D525SYGWA/S530-E2	13.6(0.5)	● Brilliant Yellow Green	8	CC	573	White	Gray	2.8 / 4.5



UNIT : mm

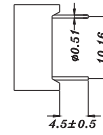
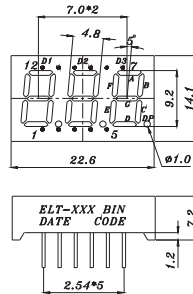


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
D526SURWA/S530-A3	13.6 (0.5)	● Brilliant Red	8	CA	624	White	Gray	7.8 / 12.5
D526SYGWA/S530-E2	13.6(0.5)	● Brilliant Yellow Green	8	CA	573	White	Gray	2.8 / 4.5
D526USOWA/S530-A4	13.6(0.5)	● Brilliant Red	8	CA	615	White	Gray	5.2 / 12.5

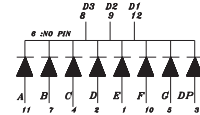
LED Digital Displays | Chip On Board Display | Three Digit Display



UNIT : mm



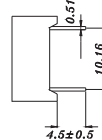
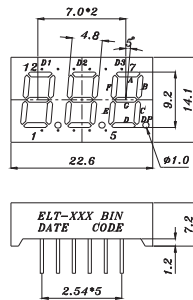
COMMON CATHODE
 1 ANODE E
 2 ANODE D
 3 ANODE DP
 4 ANODE C
 5 ANODE G
 6 NO PIN
 7 ANODE B
 8 COMMON CATHODE DIG.3
 9 COMMON CATHODE DIG.2
 10 ANODE F
 11 ANODE A
 12 COMMON CATHODE DIG.1



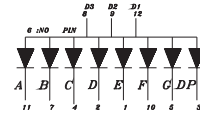
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
T315SYGWA/S530-E2	9.2 (0.3)	Brilliant Yellow Green	4.8	CC	573	White	Gray	1.4 / 3.2
T315UYOWA/S530-A3	9.2(0.3)	Orange	4.8	CC	605	White	Gray	4.0 / 8.9
T315SURWA/S530-A2	9.2(0.3)	Hyper Red	4.8	CC	624	White	Gray	6.8 / 8.5
T315SDRWA/S530-A3	9.2(0.3)	Deep-Red	4.8	CC	639	White	Gray	4.0 / 6.4



UNIT : mm



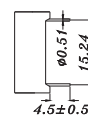
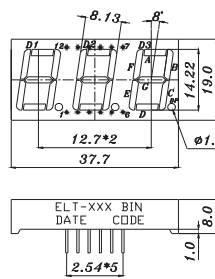
COMMON ANODE
 1. CATHODE E
 2. CATHODE D
 3. CATHODE DP
 4. CATHODE C
 5. CATHODE G
 6. NO PIN
 7. CATHODE B
 8. COMMON ANODE D3
 9. COMMON ANODE D2
 10. CATHODE F
 11. CATHODE A
 12. COMMON ANODE D1



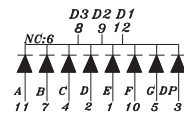
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
T316SURWA/S530-A3	9.2 (0.3)	Brilliant Red	4.8	CA	624	White	Gray	5.6 / 11
T316SYGWA/S530-E2	9.2 (0.3)	Brilliant Yellow Green	4.8	CA	573	White	Gray	1.4 / 3.2
T316SDRWA/S530-A3	9.2(0.3)	Deep-Red	4.8	CA	639	White	Gray	4.0 / 6.4



UNIT : mm



COMMON CATHODE
 1 ANODE E
 2 ANODE D
 3 ANODE DP
 4 ANODE C
 5 ANODE G
 6 NO CONNECT
 7 ANODE B
 8 COMMON CATHODE D3
 9 COMMON CATHODE D2
 10 ANODE F
 11 ANODE A
 12 COMMON CATHODE D1

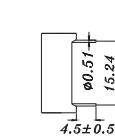
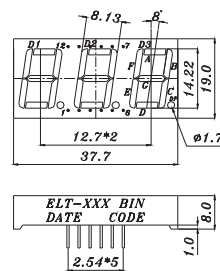


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
T511SURWA/S530-A3	14.22 (0.5)	Brilliant Red	8.13	CC	624	White	Gray	7.8 / 17.6
T511SYGWA/S530-E2	14.22 (0.5)	Brilliant Yellow Green	8.13	CC	573	White	Gray	2.8 / 4.5
T511UYOWA/S530-A3	14.22 (0.5)	Brilliant Yellow	8.13	CC	605	White	Gray	5.6 / 12.5
T511SUGWB/S400-A4/S800	14.22(0.5)	Brilliant Green	8.13	CC	525	White	Black	30.0 / 67.0

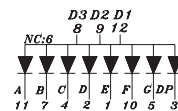
LED Digital Displays | Chip On Board Display | Three Digit Display



UNIT : mm



COMMON ANODE
1 CATHODE E
2 CATHODE D
3 CATHODE DP
4 CATHODE C
5 CATHODE B
6 NO CONNECT
7 CATHODE A
8 COMMON ANODE D3
9 COMMON ANODE D2
10 CATHODE F
11 CATHODE A
12 COMMON ANODE D1

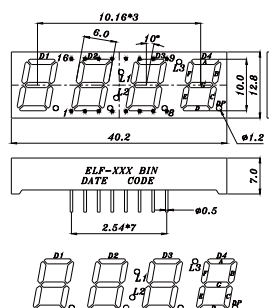


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
T512SURWA/S530-A3	14.22 (0.5)	Brilliant Red	8.13	CA	624	White	Gray	7.8 / 17.6
T512SYGWA/S530-E2	14.22 (0.5)	Brilliant Yellow Green	8.13	CA	573	White	Gray	2.8 / 4.5
T512UYOWA/S530-A3	14.22 (0.5)	Brilliant Yellow	8.13	CA	605	White	Gray	5.6 / 12.5
T512USOWA/S530-A4	14.22(0.5)	Reddish Orange	8.13	CA	615	White	Gray	7.8 / 17.6

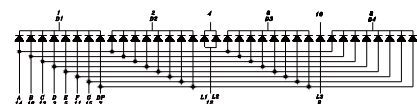
LED Digital Display | Chip On Board Display | Four Digit Display



UNIT : mm



COMMON CATHODE
1 COMMON CATHODE D1
2 COMMON CATHODE D2
3 ANODE D
4 COMMON CATHODE L1,L2
5 ANODE E
6 COMMON CATHODE D3
7 ANODE DP
8 COMMON CATHODE D4
9 ANODE L3
10 CATHODE L3
11 ANODE F
12 ANODE L1,L2
13 ANODE C
14 ANODE A
15 ANODE C
16 ANODE B

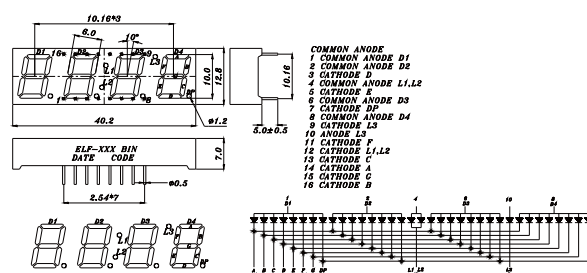


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
F415SURWA/S530-A3	10 (0.4)	Brilliant Red	6	CC	624	White	Gray	5.6 / 8.9

LED Digital Displays | Chip On Board Display | Four Digit Display



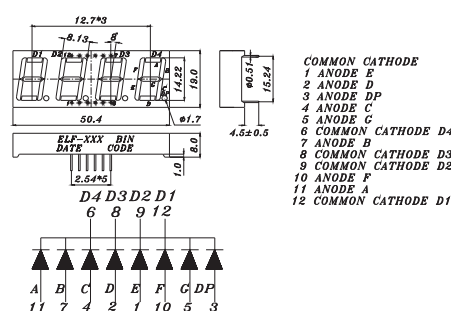
UNIT : mm



Product	Segement Height mm (inch)	Color	Segement Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
F416SYGWA/S530-E3	10 (0.4)	 Brilliant Yellow Green	6	CA	573	White	Gray	4 / 8.9
F416SURWA/S530-A3	10 (0.4)	 Brilliant Red	6	CA	624	White	Gray	5.6 / 8.9
F416USRWA/S530-A3	10.0(0.4)	 Dark-Red	6	CA	631	White	Gray	5.6 / 8.9



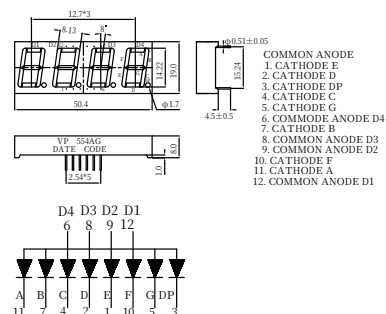
UNIT : mm



Product	Segement Height mm (inch)	Color	Segement Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
F511SURWA/S530-A3	14.22 (0.5)	● Brilliant Red	8.13	CC	624	White	Gray	7.8 / 15
F511SYGWA/S530-E2	14.22 (0.5)	● Brilliant Yellow Green	8.13	CC	573	White	Gray	4 / 4.5
F511GWA	14.22(0.5)	● Green	8.13	CC	570	White	Gray	1.4 / 3.0

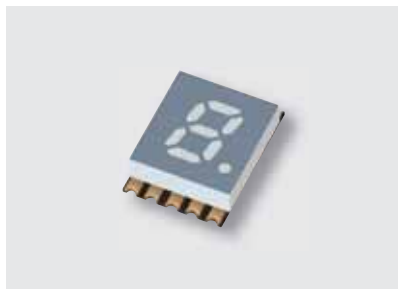


UNIT : mm

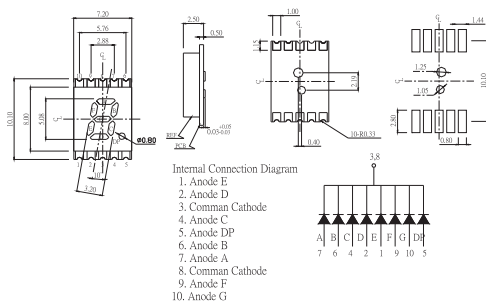


Product	Segement Height mm (inch)	Color	Segement Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
F512SURWA/S530-A3	14.22 (0.5)	● Brilliant Red	8.13	CA	624	White	Gray	7.8 / 15
F512SYGWA/S530-E2	14.22 (0.5)	● Brilliant Yellow Green	8.13	CA	573	White	Gray	2.8 / 4.5
F512SDRWB/S530-A3	14.22(0.5)	● Deep-Red	8.13	CA	639	White	Black	5.6 / 12.5

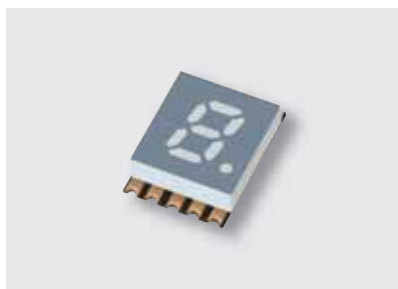
LED Digital Displays | SMD Display | Single Digit Display



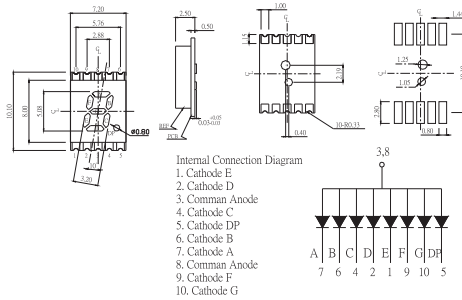
UNIT : mm



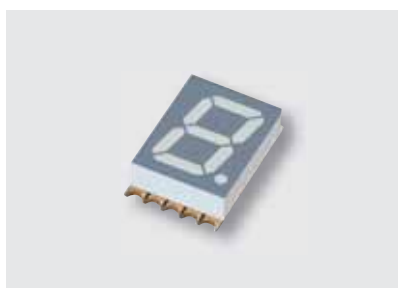
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SS205SURWA/S530-A3/S290	5.08 (0.2)	● Brilliant Red	3.2	CC	624	White	Gray	5.6 / 13.7
SS205UYOWA/S530-A3/S290	5.08 (0.2)	● Brilliant Orange	3.2	CC	605	White	Gray	7.8 / 13.3
SS205UYWA/S530-A3/S290	5.08 (0.2)	● Brilliant Yellow	3.2	CC	589	White	Gray	7.8 / 16.3
SS205SYGWA/S530-E2/S290	5.08 (0.2)	● Brilliant Yellow Green	3.2	CC	573	White	Gray	4 / 11.5



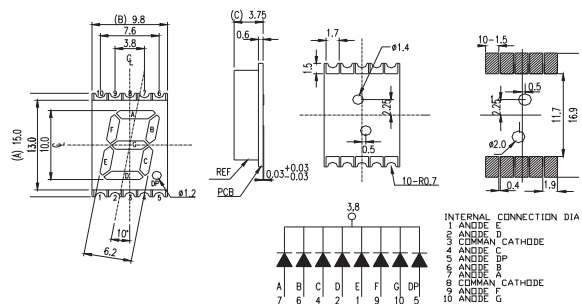
UNIT : mm



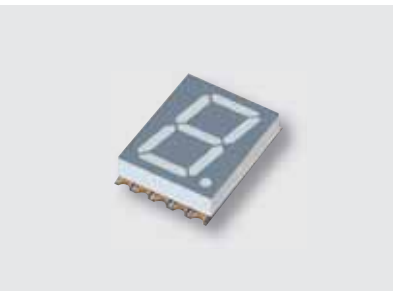
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SS206SURWA/S530-A3/S290	5.08 (0.2)	● Brilliant Red	3.2	CA	624	White	Gray	5.6 / 13.7
SS206UYWA/S530-A3/S290	5.08 (0.2)	● Brilliant Yellow	3.2	CA	589	White	Gray	7.8 / 16.7
SS206SYGWA/S530-E2/S290	5.08 (0.2)	● Brilliant Yellow Green	3.2	CA	573	White	Gray	4.0 / 8.9
SS206URWA/S530-A3/S290	5.08 (0.2)	● Dark-Red	3.2	CA	631	White	Gray	4.0 / 8.9



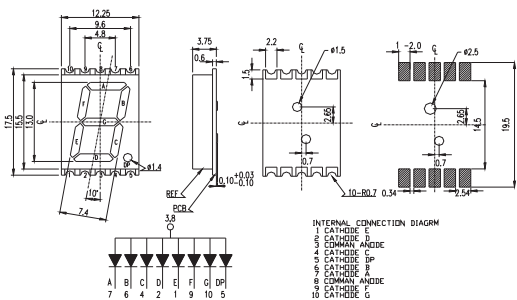
UNIT : mm



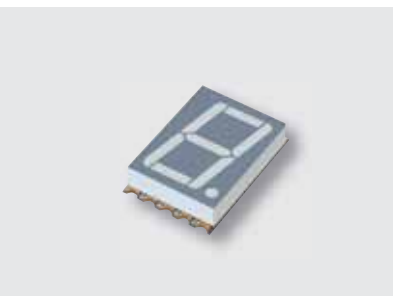
Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SS405SURWB/S530-A3/S290	10 (0.4)	● Brilliant Red	6.2	CC	624	White	Black	7.8 / 16.5
SS405SYGWA/S530-E2	10 (0.4)	● Brilliant Yellow Green	6.2	CC	573	White	Gray	5.6 / 12.5
SS405UBWA/C470	10 (0.4)	● Blue	6.2	CC	470	White	Gray	15.0 / 40.5



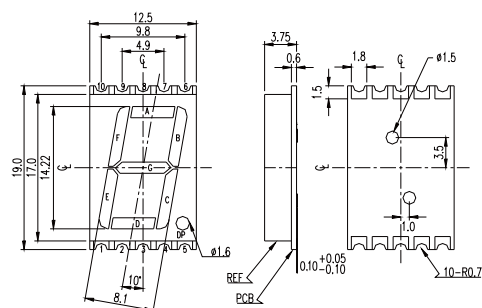
UNIT : mm



Product	Segement Height mm (inch)	Color	Segement Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SS506SYGWA/S530-E2	13.0 (0.5)	🟢 Brilliant Yellow Green	7.4	CA	573	White	Gray	5.6 / 9.1
SS506SURWA/S530-A4/S290	13.0 (0.5)	🔴 Brilliant Red	7.4	CA	624	White	Gray	7.8 / 15.0
SS506USOWA/S530-A3/S290	13.0 (0.5)	🟠 Reddish Orange	7.4	CA	615	White	Gray	15.0 / 32.5
SS506UYOWA/S530-A3/S290	13.0 (0.5)	🟡 Brilliant Orange	7.4	CA	605	White	Gray	15.0 / 43.3



UNIT : mm



Product	Segement Height mm (inch)	Color	Segement Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SS511SURWA/S530-A3/S290	14.22 (0.5)	● Brilliant Red	8.1	CC	624	White	Gray	15 / 23
SS511SYGWA/S530-E2/S290	14.22 (0.5)	● Brilliant Yellow Green	8.1	CC	573	White	Gray	4 / 10.8
SS511UBWA/C470	14.22(0.5)	● Blue	8.1	CC	470	White	Gray	11.0 / 24.0

[illegible]

LED Digital Display ■ SMD Display ■ Dual Digit Display

[illegible]

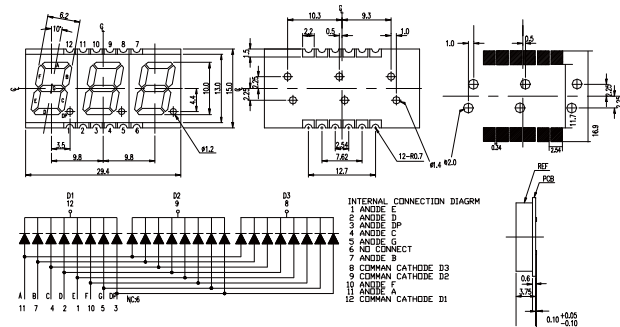
LED Digital Displays

[illegible]143

LED Digital Displays | SMD Display | Three Digit Display



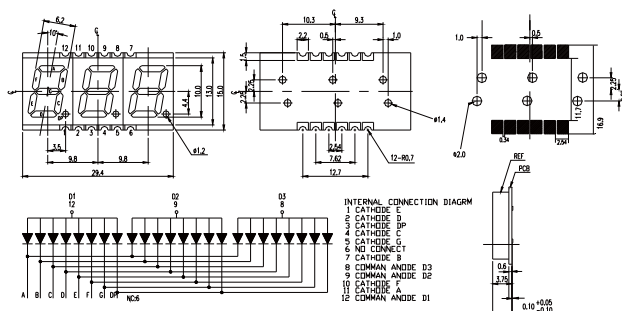
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
ST405SURWA/S530-A3/S290	10 (0.4)	● Brilliant Red	6.2	CC	624	White	Gray	7.8 / 16.4
ST405SYGWA/S530-E2	10(0.4)	● Brilliant Yellow Green	6.2	CC	573	White	Gray	4.0 / 8.9
ST405UYOWA/S530-A3/S290	10(0.4)	● Brilliant Orange	6.2	CC	605	White	Gray	18.0 / 34.0
ST405SUGWA/S530-A4/S290	10(0.4)	● Brilliant Green	6.2	CC	525	White	Gray	21.0 / 48.0



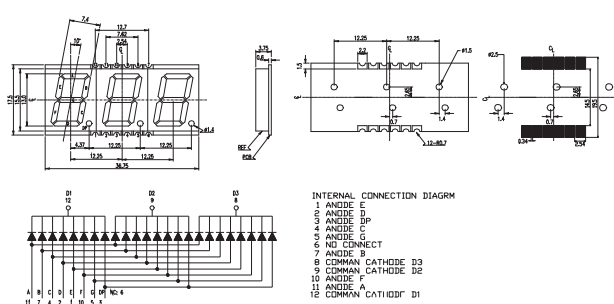
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
ST406SURWA/S530-A3/S290	10 (0.4)	● Brilliant Red	6.2	CA	624	White	Gray	7.8 / 16.4
ST406SYGWA/S530-E2	10(0.4)	● Brilliant Yellow Green	6.2	CA	573	White	Gray	4.0 / 8.9

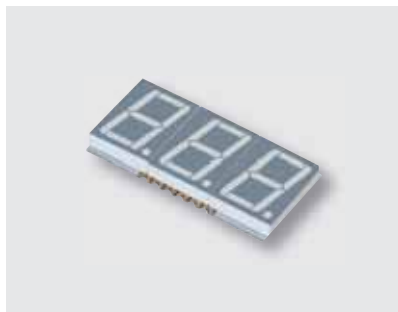


UNIT : mm

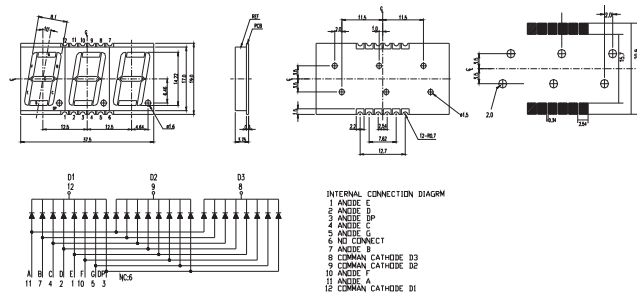


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
ST505SYGWA/S530-E2/S290	13 (0.5)	● Brilliant Yellow Green	7.4	CC	573	White	Gray	4 / 9.6

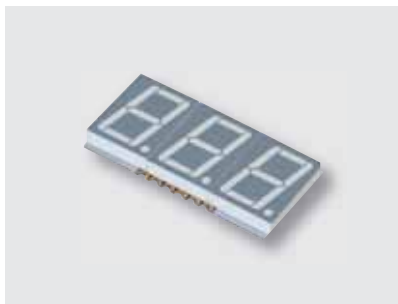
LED Digital Displays | SMD Display | Three Digit Display



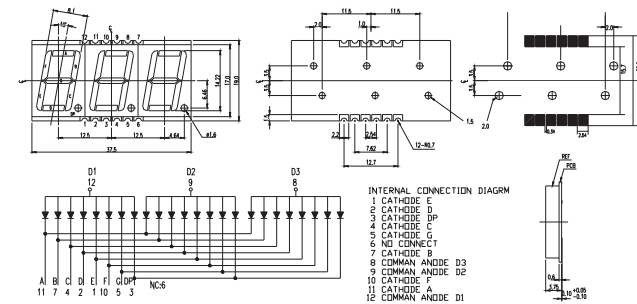
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
ST511SYGWA/S530-E2/S290	14.22 (0.5)	● Brilliant Yellow Green	8.1	CC	573	White	Gray	4 / 9.6



UNIT : mm

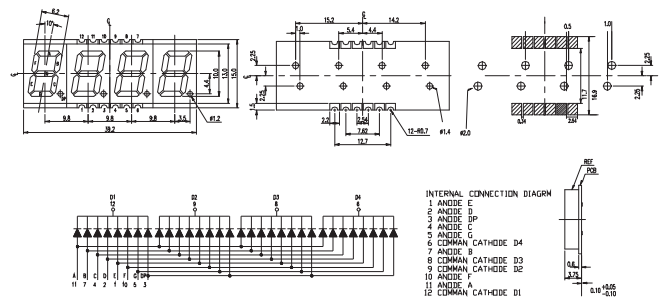


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
ST512SURWA/S530-A3/S290	14.22 (0.5)	● Brilliant Red	8.1	CA	624	White	Gray	7.8 / 21.6
ST512SYGWA/S530-E2/S290	14.22 (0.5)	● Brilliant Yellow Green	8.1	CA	573	White	Gray	7.8 / 16.4
ST512UBWA/C470/S290	14.22(0.5)	● Blue	8.1	CA	470	White	Gray	15.0 / 37.2

LED Digital Displays | SMD Display | Four Digit Display



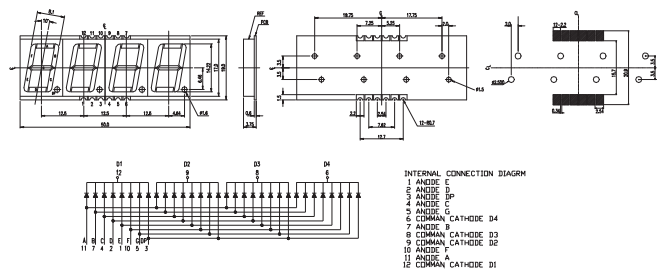
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SF405SURWA/S530-A3/S290	10 (0.4)	● Brilliant Red	6.2	CC	624	White	Gray	7.8 / 16.4
SF405SYGWA/S530-E2/S290	10 (0.4)	● Brilliant Yellow Green	6.2	CC	573	White	Gray	5.6 / 12.52
SF405UYOWA/A3/S290	10(0.4)	● Brilliant Orange	6.2	CC	605	White	Gray	11.0 / 24.0



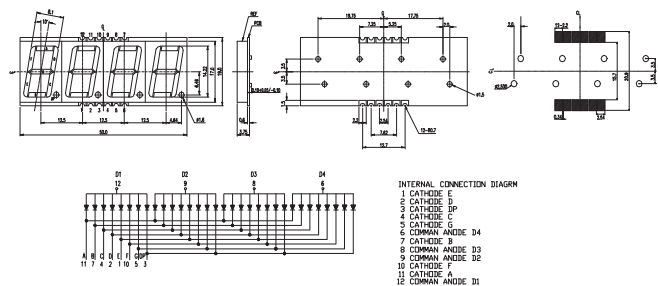
UNIT : mm



Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SF511SURWA/S530-A3/S290	14.22 (0.5)	● Brilliant Red	8.1	CC	624	White	Gray	11 / 23.4



UNIT : mm

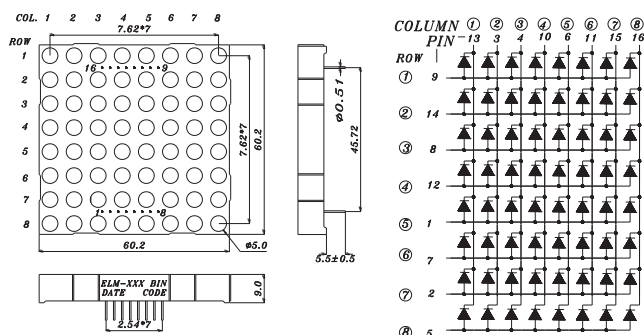


Product	Segment Height mm (inch)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
SF512SURWA/S530-A3/S290	14.22 (0.5)	● Brilliant Red	8.1	CA	624	White	Gray	11 / 27.8
SF512SYGWA/S530-E2/S290	14.22 (0.5)	● Brilliant Yellow Green	8.1	CA	573	White	Gray	4 / 10.8

LED Digital Displays I Dot Matrix Display



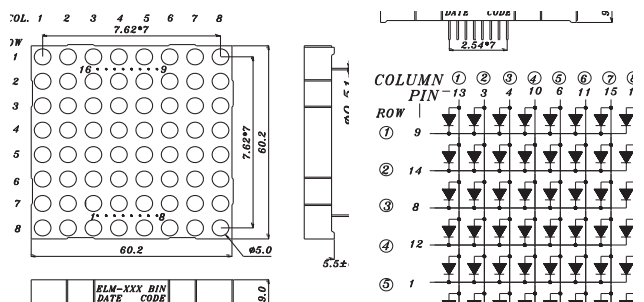
UNIT : mm



Product	Size (LxWmm)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
M2881SURWA/S530-A3	60.2x60.2	● Brilliant Red	--	CC	624	White	Gray	7.8 / 21
M2881SYGWA/S530-E2	60.2x60.2	● Brilliant Yellow Green	--	CC	573	White	Gray	7.8 / 17.6
M2881UYWA/S530-A3	60.2x60.2	● Brilliant Yellow	--	CC	589	White	Gray	11 / 17.6

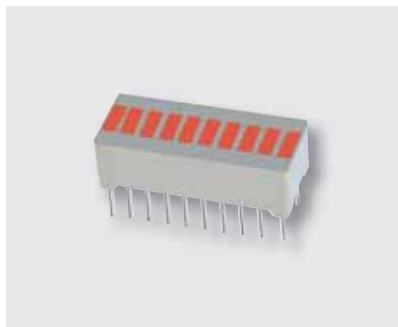


UNIT : mm

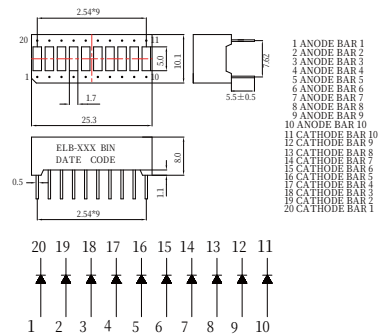


Product	Size (LxWmm)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
M2882SYGWA/S530-E2	60.2x60.2	● Brilliant Yellow Green	--	CA	573	White	Gray	7.8 / 17.6

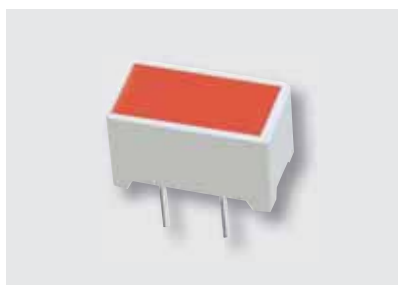
LED Digital Displays | Light Bar Display



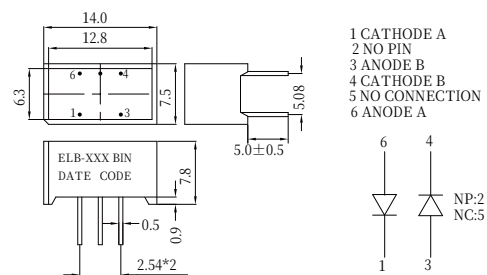
UNIT : mm



Product	Size (LxWmm)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
B1001SDRWB/S530-A3	25.3x10.1	Deep Red	--	CC	639	White	Black	4 / 8.9
B1001SURWB/S530-A3	25.3x10.1	Brilliant Red	--	CC	624	White	Black	5.6 / 12.5
B1001USOWA/S530-A4	25.3x10.1	Reddish Orange	--	CC	615	White	Gray	7.8 / 17.6
B1001SYGWA/S530-E2	25.3x10.1	Brilliant Yellow Green	--	CC	573	White	Gray	2.8 / 4.5



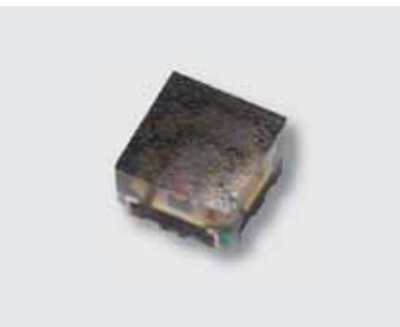
UNIT : mm



Product	Size (LxWmm)	Color	Segment Width	CC/CA	λ_d (nm)	Resin Color	Face Color	I_v (Min/Typ) (mcd)
B1010SURD/S530-A3	14x7.5	Brilliant Red	--	CA	624	Red	Red	11 / 24
B1010SYGD/S530-E2	14x7.5	Brilliant Yellow Green	--	CA	573	Red	Red	2.8 / 6.4

Figure 1 shows the dimensions and electrical connections of the LED package. The top view includes dimensions: 0.55±0.1, 0.18±0.01, 0.175±0.01, and 0.5±0.1. The side view shows the package height and the electrical connections for Blue, Red, and Green LEDs, with a common ground connection labeled 'Polarity'.

Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
18-035S/ BDGAR6S1-S01/10T	0.55x0.55x0.5 (4-pin)	Red	616~631	23.4	2.0	2.35	5	120
		Green	515~533	65.2	3.3	3.6		
		Blue	462~477	11.7	3.3	3.6		



Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
18-038BT/ BDGAR6S1-S06/10T	1x1x0.65 (4-pin)	Red	616~631	18.3	2.0	2.35	5	120
		Green	517~538	42.3	3.3	3.7		
		Blue	462~480	13.6	3.3	3.7		

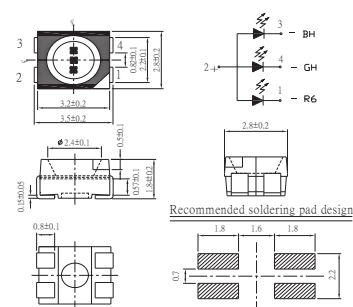


Product	Size (LxWxHmm)	Color	λ_g (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
18-039B/BDGAR6S1-S06/2T	0.8x0.8x0.65 (4-pin)	Red	616~631	18.3	2.0	2.4	5	120
		Green	517~538	42.3	3.3	3.7		
		Blue	462~480	11	3.3	3.7		

Signage LED I Surface Mount PLCC LED (Reflector)



UNIT : mm

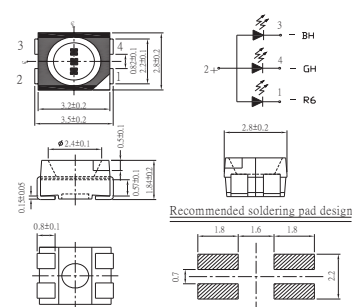


Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
67-03A/R6GHBHW-A01/2T/MS	3.5x2.8x1.8	Red	620.5~627.5	220	2.0	2.5	20	120
		Green	517~532	1000	3.2	3.7		
		Blue	464.5~474.5	220	3.2	3.7		



PRELIMINARY

UNIT : mm



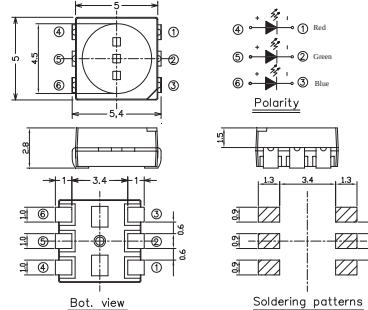
Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
67-B23A/R6GHB7W-S01/2T/MS	3.5x2.8x1.8	Red	620.5~627.5	300	2.0	2.5	20	120
		Green	515~530	500	3.2	3.7		
		Blue	465~475	160	3.2	3.7		

• Product Availability : Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.



PRELIMINARY

UNIT : mm



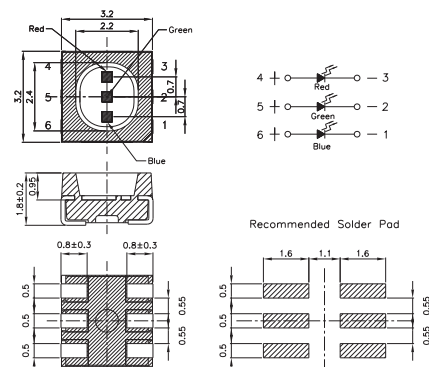
Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
HN0507	5x5x2.8	Red	619~628	620	2.0	2.5	20	120
		Green	526~534	1630	3.2	3.7		
		Blue	465~473	435	3.2	3.7		

• Product Availability : Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Signage LED ■ Surface Mount PLCC LED (Reflector)



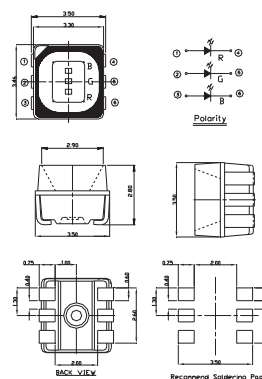
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
HN0325	3.2x3.2x1.8	Red	620~629	625	2.0	2.5	20	120
		Green	520~530	1530	3.2	3.7		
		Blue	463.5~473.5	337	3.2	3.7		



UNIT : mm



For outdoor

Product	Size (LxWxHmm)	Color	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
					Typ.	Max.		
HNB353	3.5x3.5x2.8 (6-pin)	Red	618~630	750	2.0	2.6	20	120
		Green	520~535	2242	3.2	3.6		
		Blue	465~480	567	3.2	3.6		

• Product Availability : Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

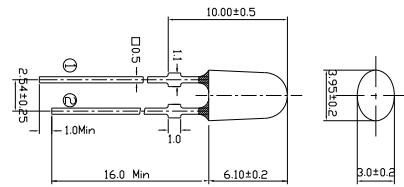
Signage LED ■ Lamp Type LED ■ 3mm Oval Type

PRELIMINARY

UNIT : mm



① Anode
② Cathode



Product	Size (LxWxHmm)	Color	Lens Type	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
						Typ.	Max.		
3474BHR	3.2X4.1X6.3	Red	Oval	619-628	860	2.2	2.6	20	110 / 60
3474BHG	3.2X4.1X6.3	Green	Oval	525-534	298	3.2	3.6	20	110 / 60
3474BHB	3.2X4.1X6.3	Blue	Oval	465-474	615	3.2	3.6	20	110 / 60
3474ELR	3.2X4.1X6.3	Red	Oval	619-627	946	2	2.3	15	110 / 60
3474ELG	3.2X4.1X6.3	Green	Oval	518-527	2260	3	3.3	15	110 / 60
3474ELB	3.2X4.1X6.3	Blue	Oval	468-474	364	3	3.3	10	110 / 60

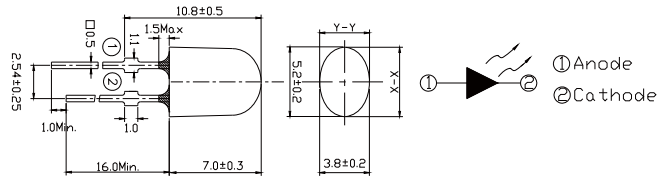
- Product Availability : Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Signage LED ■ Lamp Type LED ■ 5mm Oval Type



UNIT : mm

(With Stopper)

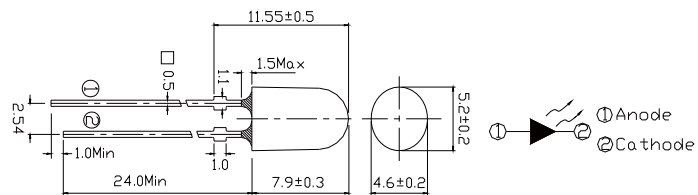


Product	Size (LxWxHmm)	Color	Lens Type	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
						Typ.	Max.		
5484BN/R7DC-AGJB/P/MS	5.2x3.8x7	Red	Oval	619~628	1220	2.2	2.4	20	110 / 40
5484BN/R7DC-AHJB/P/MS	5.2x3.8x7	Red	Oval	619~628	1500	2.2	2.4	20	110 / 40
5484BN/GADC-ALMA/P/MS	5.2x3.8x7	Green	Oval	525~535	2880	3.2	3.6	20	110 / 40
5484BN/GADC-AMNA/P/MS	5.2x3.8x7	Green	Oval	525~535	3800	3.2	3.6	20	110 / 40
5484BN/BADC-AFHA/P/MS	5.2x3.8x7	Blue	Oval	465~475	720	3.2	3.6	20	110 / 40
5484BN/BADC-AGJA/P/MS	5.2x3.8x7	Blue	Oval	465~475	1030	3.2	3.6	20	110 / 40



UNIT : mm

(With Stopper)



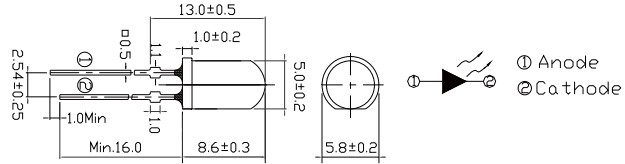
Product	Size (LxWxHmm)	Color	Lens Type	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
						Typ.	Max.		
6364/GADA-ANQA/P/MS	5.2x4.6x7.9	Green	Oval	525~535	3000	3.2	3.6	20	70 / 40
6364/GADA-AQSA/P/MS	5.2x4.6x7.9	Green	Oval	525~535	4140	3.2	3.6	20	70 / 40
6364/BADA-AHKA/P/MS	5.2x4.6x7.9	Blue	Oval	465~475	1000	3.2	3.6	20	70 / 40
6364/BADA-AKMA/P/MS	5.2x4.6x7.9	Blue	Oval	465~475	2250	3.2	3.6	20	70 / 40
6374/R7DA-AJKB/P/MS	5.2x4.6x7.9	Red	Oval	619~628	2240	2.0	2.6	20	65 / 40
6374/R7DA-AKMB/P/MS	5.2x4.6x7.9	Red	Oval	619~628	1425	2.0	2.6	20	65 / 40
6374/Y7DA-AJKB/P/MS	5.2x4.6x7.9	Yellow	Oval	586~594	2240	2.0	2.6	20	65 / 40
6374/Y7DA-ALNB/P/MS	5.2x4.6x7.9	Yellow	Oval	586~594	2000	2.0	2.6	20	65 / 40

Signage LED | Lamp Type LED | 5mm Round Type



UNIT : mm

(With Stopper)

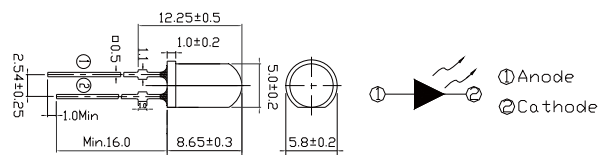


Product	Size (LxWxHmm)	Color	Lens Type	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
						Typ.	Max.		
333/R7C1-AUWB/P/MS	5x5x8.6	Red	Clear	619~628	11250	2.0	2.6	20	10
333/Y7C1-ATWB/P/MS	5x5x8.6	Yellow	Clear	586~594	11250	2.0	2.6	20	15
333/G1C1-AWYA/MS	5x5x8.6	Green	Clear	525~535	18000	3.2	3.6	20	15
333/B1C1-ARUA/MS	5x5x8.6	Blue	Clear	465~475	7150	3.2	3.6	20	15



UNIT : mm

(With Stopper)



Product	Size (LxWxHmm)	Color	Lens Type	λ_d (nm)	Typ. I_v (mcd)	V_F (V)		I_F (mA)	Viewing Angle (°)
						Typ.	Max.		
7383/R7C3-AQSB/P/MS	5x5x8.7	Red	Clear	619~628	4000	2.0	2.6	20	30
7383/R7C3-ARUB/P/MS	5x5x8.7	Red	Clear	619~628	7150	2.0	2.6	20	30
7383/Y7C3-AQSB/P/MS	5x5x8.7	Yellow	Clear	586~594	4500	2.0	2.6	20	30
7383/Y7C3-ARUB/P/MS	5x5x8.7	Yellow	Clear	586~594	7150	2.0	2.6	20	30
7383/G1C3-ATVA/P/MS	5x5x8.7	Green	Clear	525~535	9000	3.2	3.6	20	30
7383/V7C3-ARTA/P/MS	5x5x8.7	Green	Clear	505	6300	3.2	3.6	20	30
7383/BAC3-ANQA/P/MS	5x5x8.7	Blue	Clear	465~475	3600	3.2	3.6	20	30
7343/R7D5-AHKB/P/MS	5x5x8.7	Red	Diffused	619~628	900	2.2	2.6	20	55
7343/GAD5-ANQA/P/MS	5x5x8.7	Green	Diffused	525~535	2850	3.2	3.6	20	50
7343/BAD5-AGJA/P/MS	5x5x8.7	Blue	Diffused	465~475	715	3.2	3.6	20	50
7343/R7C2-AQSB/P/MS	5x5x8.7	Red	Clear	619~628	4500	2.0	2.6	20	25
7343/Y7C2-AQSB/P/MS	5x5x8.7	Yellow	Clear	586~594	4500	2.0	2.6	20	25
7344/V7C2-ASVA/P/MS	5x5x8.7	Green	Clear	505	9000	3.2	3.6	20	23

Technical drawing showing the bottom view of a PCB with dimensions and a polarity diagram.

Dimensions:

- Overall width: 4.38
- Overall length: 8.92
- Distance from top edge to centerline: 3.24
- Distance from centerline to the start of the mounting holes: 3.91
- Distance between the centers of the mounting holes: 8.12
- Distance from the center of the mounting holes to the right edge: 0.4
- Distance from the center of the mounting holes to the bottom edge: 0.865

Mounting Holes:

- Two mounting holes are indicated by circles labeled ① and ②.

Polarity Diagram:

- The diagram shows a cross-section of the PCB with two diodes (represented by triangles) and a lightning bolt symbol indicating a high-voltage or high-current connection.
- The polarity is indicated by a circle labeled ① at the bottom and a circle labeled ② at the top.

Bot. view

Product	Size (LxWxHmm)	Color	λ _d (nm)/ CCT(K)	I _v Min. (lm)	I _v Max. (lm)	V _f Min. (V)	V _f Max. (V)	I _f (mA)	Viewing Angle (°)
*ARG5M-WB-A4D1K1M1C2-AC-AM	20.0x20.0x1.65	○White	5180~6680K	1250	1600	15.0	19.0	1000	120
*ARG4M-WB-A4D1I1J3C2-AC-AM	20.0x20.0x1.65	○White	5180~6680K	950	1250	12.0	16.0	1000	120
*ARG2M-WB-A4D1E8F1C2-AC-AM	20.0x20.0x1.65	○White	5180~6680K	450	550	6.0	8.0	1000	120

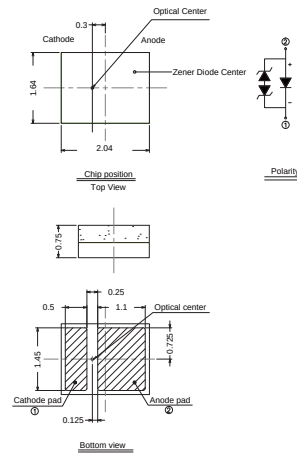
Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I _v Min. (lm)	I _v Max. (lm)	V _F Min. (V)	V _F Max. (V)	I _F (mA)	Viewing Angle (°)
*3535CNU-N53A64DF9J43040Z35-F41S-AM	3.5x3.3x2.316	○ White	5180~6680K	90	140	3.0	4.0	350	120
*3535CNU-URR3R4F6F71925Z35-V41M-AM	3.5x3.3x2.316	● Red	610~620nm	60	80	1.9	2.5	350	120
*3535CNU-UYYAYBF6F83040Z35-F41S-AM	3.5x3.3x2.316	● PC-Amber	YA,YB	75	90	3.0	4.0	350	120

Automotive LED

Automotive LED ■ Exterior Application ■ High Power LED



UNIT : mm



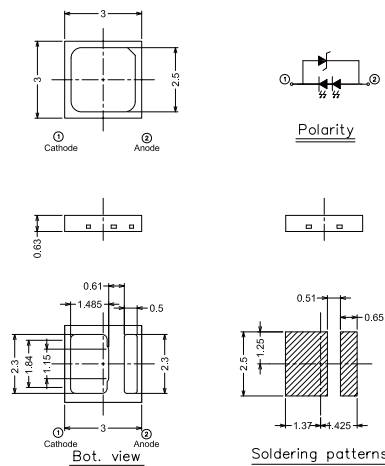
2016

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I_V Min. (lm)	I_V Max. (lm)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*ELCH08NU-NP53A64DJ7J92941Z70-F41H-AM	2.04x1.64x0.75	○ White	5180~6680K	160	225	2.9	4.1	700	120
ELCH08NU-URD1426F6J32133Z70-V41M-AM	2.04x1.64x0.75	● Red	614-626nm	60	130	2.1	3.3	700	120
ELCH08NU-NAY1Y1J1J72941Z70-H41M-AM	2.04x1.64x0.75	● PC-Amber	Y1	100	180	2.9	4.1	700	120

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.



UNIT : mm



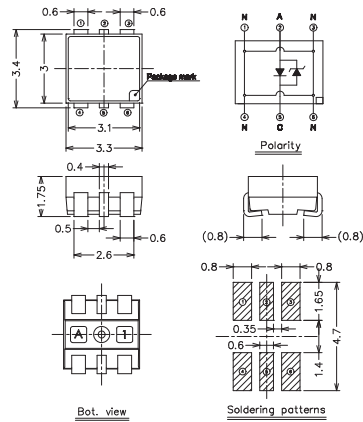
3030

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I_V Min. (lm)	I_V Max. (lm)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
XI3030EU-NP53A64DJ2J42734Z35-H41D-AM	3.0x3.0x0.63	○ White	5180~6680K	115	140	2.7	3.4	350	120
XI3030EU-URD0820F4F61830Z35-V41D-AM	3.0x3.0x0.63	● Red	614-626nm	45	55	1.8	3.0	350	120
XI3030EU-NAYAYBF6F82734Z35-H41D-AM	3.0x3.0x0.63	● PC-Amber	YA,YB	65	90	2.7	3.4	350	120

Automotive LED ■ Exterior Application ■ Mid Power LED



UNIT : mm



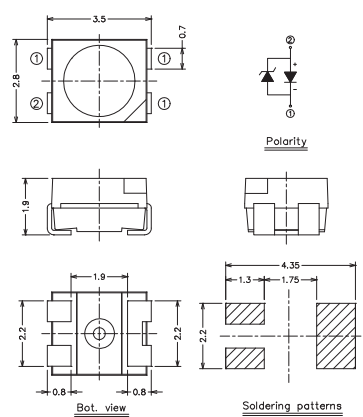
A09K

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I_V Min. (mcd)	I_V Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
A09KU-NP56B64DEBFA2638Z15-1T0T-AM	3.4x3.0x1.8	○ White	5180~6680K	5600	9000	2.6	3.8	150	120
A09KU-URD0921DBEB1828Z15-1T0C-AM	3.4x3.0x1.8	● Red	609~621nm	5600	11200	1.8	2.8	150	120
A09KU-NAYAYBDBEB2638Z15-1T0T-AM	3.4x3.0x1.8	● PC-Amber	YA,YB	5600	11200	2.6	3.8	150	120

Automotive ■ Exterior Application ■ Low Power LED ■ Top View LED PLCC3



UNIT : mm

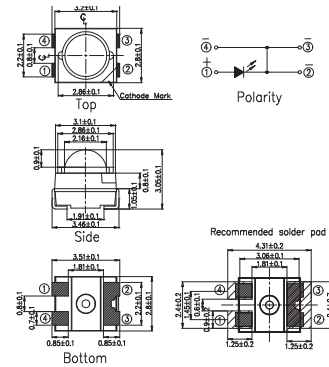


PLCC3

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I_V Min. (mcd)	I_V Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
67-31EUZ-NP56B64DBBDA2638Z3-2T0T-AM	3.5x2.8x1.85	○ White	5180~6680K	2240	5600	2.6	3.8	30	120
67-31EU-URD1224BACB1828Z5-2T0C-AM	3.5x2.8x1.85	● Red	612~624nm	1800	4500	1.8	2.8	50	120
67-31EU-UYD8395BACB1828Z5-2T0C-AM	3.5x2.8x1.85	● Yellow	583~595nm	1800	4500	1.8	2.8	50	120

Automotive LED ■ Exterior Application ■ Low Power LED ■ Power Top LED Lens 60°

UNIT : mm

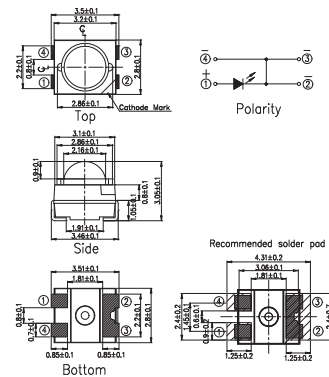


Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min. (mcd)	I_v Max. (mcd)	V_f Min. (V)	V_f Max. (V)	I_f (mA)	Viewing Angle (°)
*67-31F-URD1224XXX1828Z5-2T0C-AM	3.5x2.7x3.48	Red	612~624nm	--	--	1.8	2.8	50	60
*67-31F-UYD8395XXX1828Z5-2T0C-AM	3.5x2.7x3.48	Yellow	583~595nm	--	--	1.8	2.8	50	60

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Automotive ■ Exterior Application ■ Low Power LED ■ Power Top LED Lens 30°

UNIT : mm



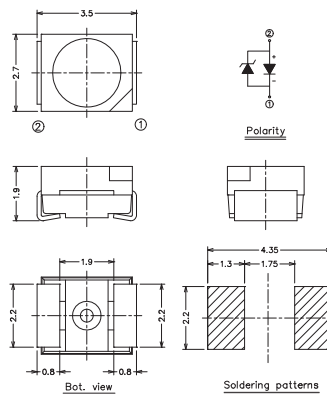
Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*67-31H-URD1224XXXX1828Z5-2T0C-AM	3.5x2.7x3.48	Red	612–624nm	--	--	1.8	2.8	50	30
*67-31H-URD1224XXXX1828Z5-2T0C-AM	3.5x2.7x3.48	Yellow	583–595nm	--	--	1.8	2.8	50	30

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Automotive LED ■ Exterior Application ■ Low Power LED ■ Top View LED PLCC2



UNIT : mm



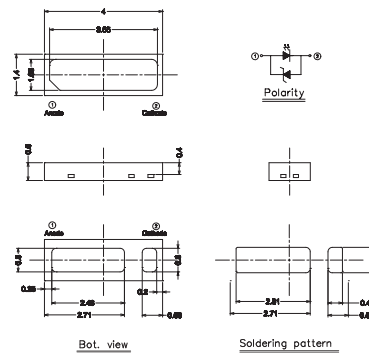
PLCC2

Product	Size (LxWxHmm)	Color	λ_d (nm)/ CCT(K)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
67-11U-NP56B64DBACB2638Z2-2T0T-AM	3.5x2.8x1.85	○ White	5180~6680	1800	4500	2.6	3.8	20	120
67-21U-URD1224V1AB1828Z2-2T0C-AM	3.5x2.8x1.85	● Red	612~624	710	1800	1.8	2.8	20	120
67-21U-UYD8395V1AB1828Z2-2T0C-AM	3.5x2.8x1.85	● Yellow	583~595	710	1800	1.8	2.8	20	120

Automotive LED ■ Interior Application ■ Mid Power LED



UNIT : mm

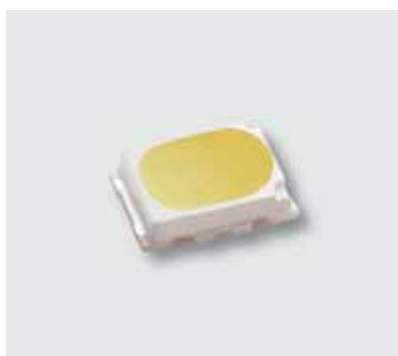


4014

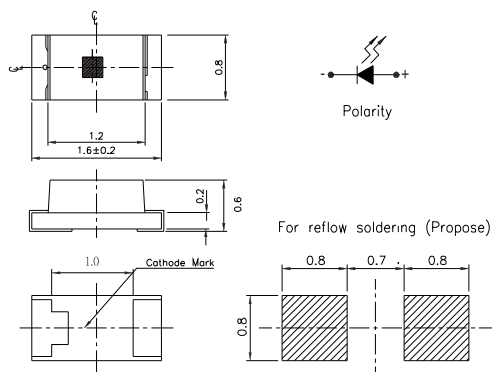
Product	Size (LxWxHmm)	Color	λ_d (nm)/ CIE(x,y)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*50-615EG-NTEQ2EQ4EBFB2535Z12-2T0T-AM	4.0x1.4x0.6	○ White	X: 0.274~0.294 Y: 0.219~0.259	9000	11400	2.5	3.5	120	120
*50-615EG-NTEQ2EQ4XXXX2535Z8-2T0T-AM	4.0x1.4x0.6	○ White	X: 0.274~0.294 Y: 0.219~0.259	--	--	2.5	3.5	80	120

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Automotive LED ■ Interior Application ■ Hyper Mini Top View LED



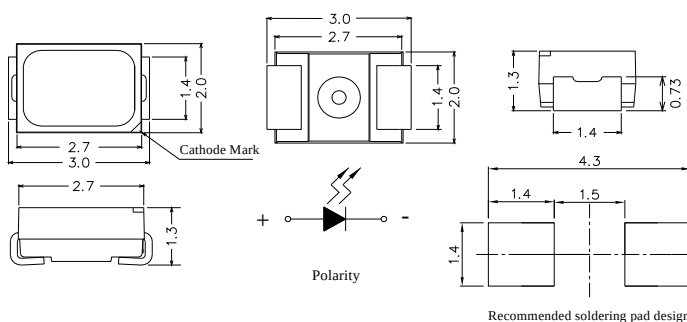
UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*45-11S-BUTT-EQ0E9H06S-2T8-AM	3.0X2.0X0.8	○White	X: 0.268~0.302 Y: 0.219~0.273	5000	9000	2.9	3.5	60	120



UNIT : mm

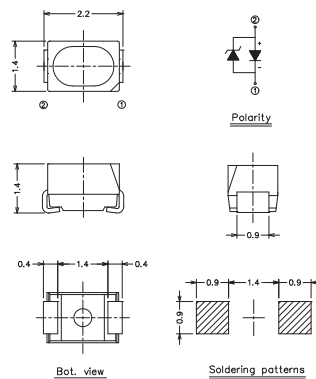


Product	Size (LxWxHmm)	Color	λ_d (nm)/CIE(x,y)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
45-11-BNSB-39444901E-2T8-AM	3.0x2.0x1.3	○White	X: 0.2755~0.3035 Y: 0.2619~0.3050	2050	2350	2.75	3.35	20	120

Automotive LED ■ Interior Application ■ Mini Top LED



UNIT : mm

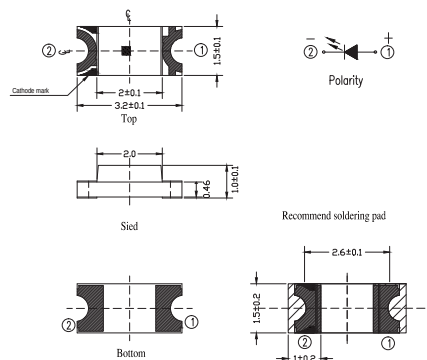


Product	Size (LxWxHmm)	Color	λ_d (nm)/CCT(K)	I_V Min. (mcd)	I_V Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
65-11-BVT-K0V2ABN0E-2T8-AM	2.2x1.4x1.35	○ White	X=0.287~0.311 Y=0.276~0.315	900	1800	2.7	3.8	20	120
65-11-BHC-K9R2S2A7E-2T8-AM	2.2x1.4x1.35	● Blue	465~477nm	140	280	2.7	3.8	20	120
65-11-GBC-Y0V1AAN0E-2T8-AM	2.2x1.4x1.35	● Green	520~535nm	710	1400	2.7	3.7	20	120
65-21-R7SC-A6Q2S1B0E-2T8-AM	2.2x1.4x1.35	● Red	627~639nm	90	224	1.75	2.35	20	120
65-21-S2SC-B2S1T1B7E-2T8-AM	2.2x1.4x1.35	● Orange	603~609nm	180	355	1.7	2.4	20	120
65-21-Y2SC-A0R1S2B7E-2T8-AM	2.2x1.4x1.35	● Yellow	585.5~594.5nm	112	280	1.7	2.4	20	120

Automotive LED ■ Interior Application ■ Top View 1206



UNIT : mm



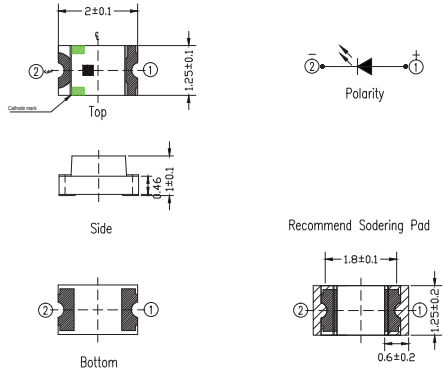
Product	Size (LxWxHmm)	Color	λ_d (nm)/CCT(K)	I_V Min. (mcd)	I_V Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*15-11-BXX-XXXXXXXE-2T-AM	3.2x1.5x1.0	○ White	X=0.3 Y=0.3	--	--	2.7	3.8	20	120
*15-11-BXC-XXXXXXXE-2T-AM	3.2x1.5x1.0	● Blue	520~530nm	--	--	2.7	3.8	20	120
15-21-G6C-A0N1P2B0E-2T-AM	3.2x1.5x1.0	● Green	569.5~577.5nm	28	71	1.75	2.35	20	120
15-21-R6C-B0Q1R2B0E-2T-AM	3.2x1.5x1.0	● Red	617.5~629.5nm	71	180	1.75	2.35	20	120
15-21-Y2SC-A0S1T1B25E-2T-AM	3.2x1.5x1.0	● Yellow	585.5~594.5nm	180	355	1.7	2.4	20	120

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Automotive LED ■ Interior Application ■ Top View 0805



UNIT : mm



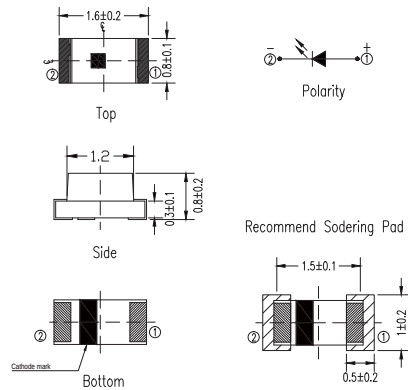
Product	Size (LxWxHmm)	Color	λ_d (nm)/CCT(K)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*17-115-BXX-XXXXXXXE-2T-AM	2.0x1.25x0.8	○ White	X=0.3 Y=0.3	--	--	2.7	3.8	20	130
*17-115-BXC-XXXXXXXE-2T-AM	2.0x1.25x0.8	● Blue	520~530nm	--	--	2.7	3.8	20	130
17-215-G6C-F5M1N2B0E-3T-AM	2.0x1.25x0.8	● Green	568~574nm	18	45	1.75	2.35	20	130
17-215-R6C-A0Q2R2B0E-3T-AM	2.0x1.25x0.8	● Red	617.5~633.5nm	90	180	1.75	2.35	20	130
17-215-S3C-5UQ2R2B0E-3T-AM	2.0x1.25x0.8	● Orange	611~619nm	90	180	1.75	2.35	20	130
17-215-Y2C-P9Q2S1B0E-3T-AM	2.0x1.25x0.8	● Yellow	584~596nm	90	224	1.75	2.35	20	130

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.

Automotive LED ■ Interior Application ■ Top View 0603



UNIT : mm



Product	Size (LxWxHmm)	Color	λ_d (nm)/CCT(K)	I_v Min. (mcd)	I_v Max. (mcd)	V_F Min. (V)	V_F Max. (V)	I_F (mA)	Viewing Angle (°)
*19-113-BXX-XXXXXXXE-2T-AM	1.6x0.8x0.8	○ White	X=0.3 Y=0.3	--	--	2.7	3.8	20	120
*19-113-BXC-XXXXXXXE-2T-AM	1.6x0.8x0.8	● Blue	520~530nm	--	--	2.7	3.8	20	120
19-213-G6SC-M0P1Q1B0E-3T-AM	1.6x0.8x0.8	● Green	569.5~575.5nm	45	90	1.75	2.35	20	120
19-213-R6C-A0R2S2B0E-3T-AM	1.6x0.8x0.8	● Red	617.5~633.5nm	140	280	1.75	2.35	20	120
19-213-S3SC-B0S1T1B0E-3T-AM	1.6x0.8x0.8	● Orange	613.5~621.5nm	180	355	1.75	2.35	20	120
19-213-Y2SC-9AS1T1B0E-3T-AM	1.6x0.8x0.8	● Yellow	589~595nm	180	355	1.75	2.35	20	120

Star Mark*: Preliminary Product Availability; Please visit EVERLIGHT website for more updated information (www.everlight.com) or contact EVERLIGHT sales for regional options.





INFRARED LED, SENSORS, COUPLERS

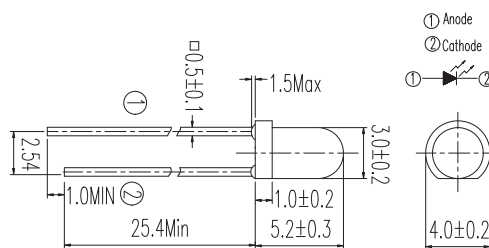


- | | |
|------------|-----------------------------------|
| 166 | INFRARED LED AND SILICON DETECTOR |
| 195 | INFRARED RECEIVER MODULE |
| 208 | OPTIC-FIBER DEVICE (PHOTO LINK) |
| 217 | OPTICAL SENSOR |
| 235 | PHOTO COUPLER |

Infrared LED and Silicon Detector ■ Emitter ■ Lamp 3mm



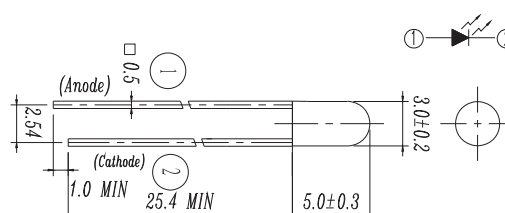
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR204	3	850	1.45	1.65	7.8	17.6	25
HIR204/H0	3	850	1.45	1.65	4	8.9	40
HIR204C	3	850	1.45	1.65	7.8	17.6	25
HIR204C/H0	3	850	1.45	1.65	11	20	40
IR204-A	3	940	1.2	1.5	4	5.6	35
IR204/H16/L10	3	940	1.2	1.5	2.8	4	50
IR204/H60	3	940	1.2	1.5	4	7	50
IR204C-A	3	940	1.2	1.5	4	5.6	35
IR204C/H16/L10	3	940	1.2	1.5	2.8	4	50
SIR204-A	3	875	1.3	1.65	4	6.4	30
SIR204C	3	875	1.3	1.65	4	6.4	30



UNIT : mm

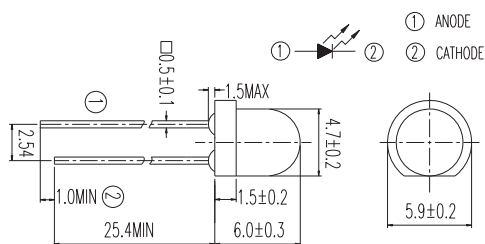


Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
SIR234	3	875	1.3	1.65	5.6	9	30
HIR234C	3	850	1.45	1.65	7.8	15	30

Infrared LED and Silicon Detector ■ Emitter ■ Lamp 5mm



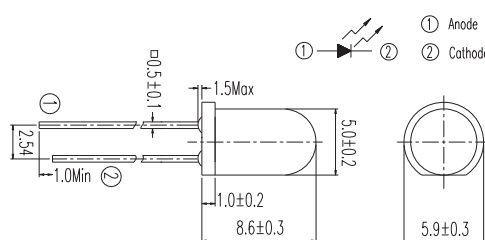
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR323C	5	850	1.45	1.65	15	30	25
HIR323C/H0	5	850	1.45	1.65	7.8	11	30
IR323	5	940	1.2	1.5	4	6.4	30
IR323/H0-A	5	940	1.2	1.5	2	3.5	60
SIR323-5	5	875	1.3	1.65	4	7.8	35



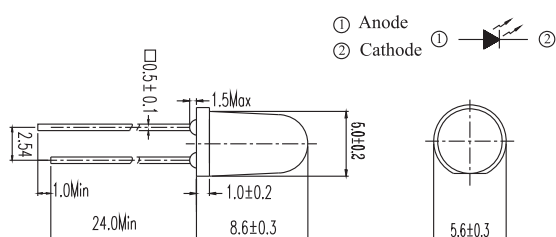
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR333/H0	5	850	1.45	1.65	7.8	15	30
HIR333C/H0	5	850	1.45	1.65	7.8	15	30
IR333-A	5	940	1.2	1.5	7.8	20	20
IR333/H0	5	940	1.2	1.5	5.6	7.8	40
IR333/H0/L10	5	940	1.2	1.5	11	12	40
IR333C	5	940	1.2	1.5	7.8	15	20
IR333C/H0/L10	5	940	1.2	1.5	7.8	10	40
IR333C/H2	5	940	1.2	1.5	7.8	15	30
SIR333-A	5	875	1.3	1.6	7.8	20	20



UNIT : mm

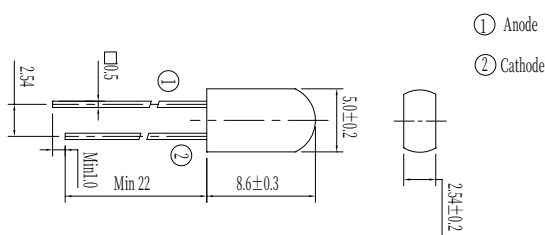


Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR383	5	940	1.2	1.5	15	20	20
SIR383C	5	875	1.3	1.6	11	20	20
HIR383C/L289	5	850	1.45	1.65	--	140	18

Infrared LED and Silicon Detector | Emitter | Lamp 5mm



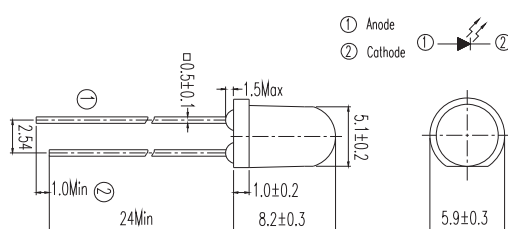
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR533C	5	940	1.2	1.5	4	7.8	25



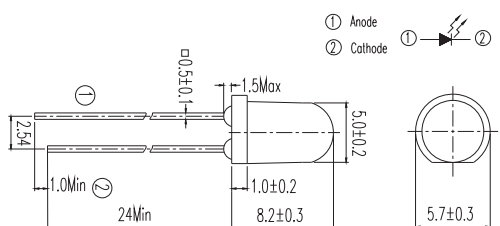
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR7373B/L289	5	850	1.45	1.6	21	40	25
HIR7373C	5	850	1.45	1.65	7.8	15	40
IR7373C	5	940	1.2	1.5	5.6	8	50



UNIT : mm

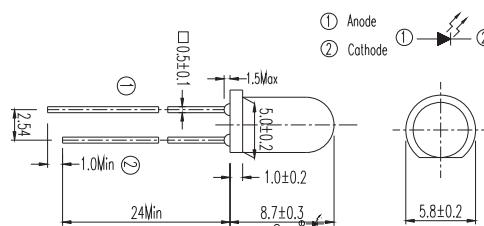


Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR7393B/L289	5	850	1.45	1.6	7.8	20	50
HIR7393C	5	850	1.45	1.65	7.8	15	50
IR7393C	5	940	1.2	1.5	4	6.5	55

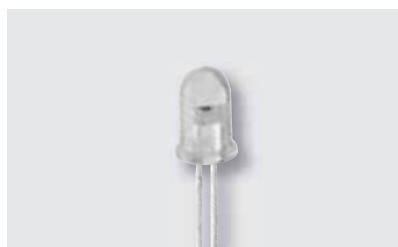
Infrared LED and Silicon Detector ■ Emitter ■ Lamp 5mm



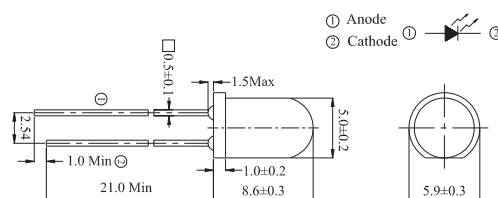
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR8323/C16	5	850	1.45	1.65	20	30	30



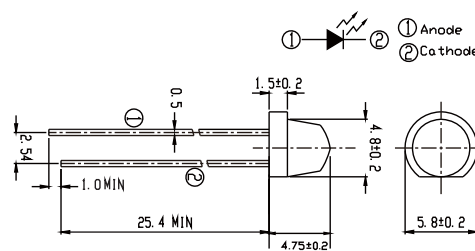
UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR8353-14C	5	940	1.2	1.5	7.8	11	35



UNIT : mm



Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR7323C/L599	5	850	1.4	1.7	4	5	75

Product	Size (mm)	λ_P (nm)	V _F Typ (V)	V _F Max (V)	I _e _Min (mW/sr)	I _e _Typ (mW/sr)	Viewing Angle (°)
IR8394-20C	5	940	1.2	1.5	2.8	5	60



Technical drawing of a diode assembly showing three views: side view (top), front view (middle), and rear view (bottom). Dimensions are in millimeters.

- Side View (Top):** Shows the diode body with a diameter of $\varnothing 5 \pm 0.1$ mm. The total length is 25.4 mm. The distance from the mounting tab to the diode body is 3.5 ± 0.2 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm.
- Front View (Middle):** Shows the diode body with a diameter of $\varnothing 5 \pm 0.1$ mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm.
- Rear View (Bottom):** Shows the diode body with a diameter of $\varnothing 5 \pm 0.1$ mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm. The distance from the mounting tab to the center of the diode body is 7.0 ± 0.3 mm.

Legend:

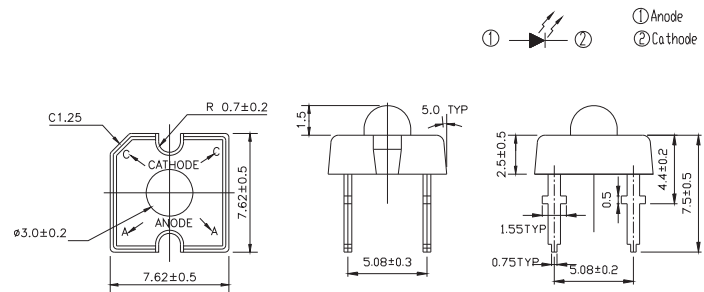
- ① Anode
- ② Cathode

Product	Size (mm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR5443-14C/L527	5	940	1.2	1.5	4	9	60(X)30(Y)

Infrared LED and Silicon Detector ■ Emitter ■ Piranha



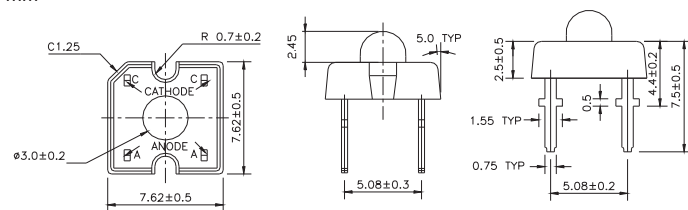
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR30-01C/S16	7.62x7.62x4	850	1.45	1.65	5.6	10	35



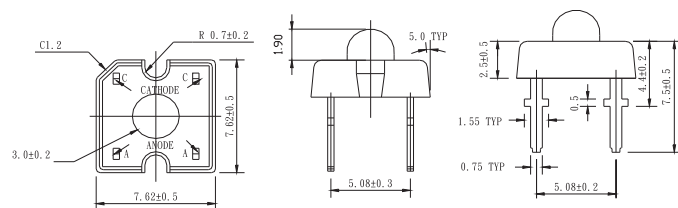
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR36-01C/S32	7.62x7.62x5	850	1.45	1.65	15	29	20



UNIT : mm

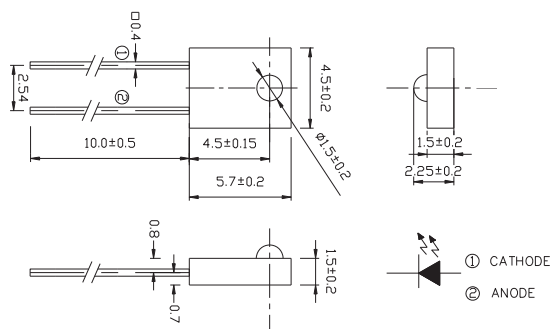


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR38-01C	7.62x7.62x4.4	850	1.45	1.65	7.8	17	30

Infrared LED and Silicon Detector ■ Emitter ■ Side Look



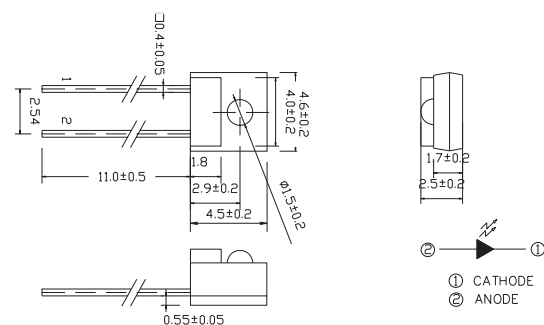
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR908-7C-F	4.5x2.25x5.7	940	1.2	1.5	--	--	60



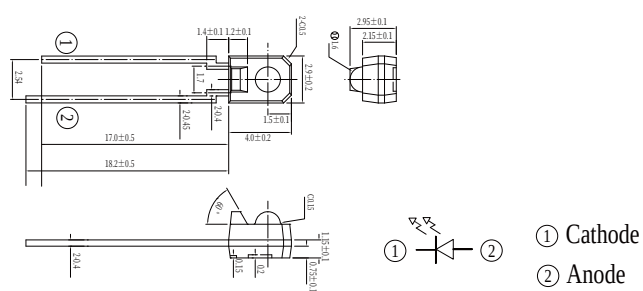
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR928-6C-F	4.6x2.5x4.5	940	1.2	1.5	--	--	40



UNIT : mm

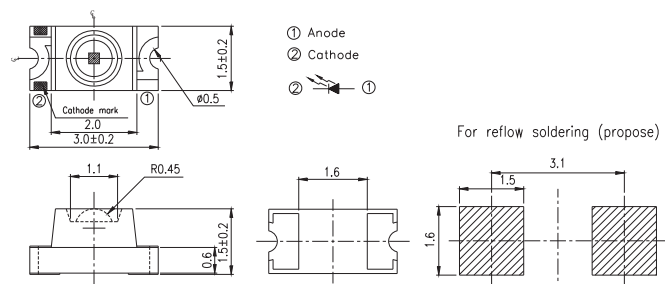


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR968-8C	2.9x2.9x4	940	1.2	1.5	--	--	25

Infrared LED and Silicon Detector | Emitter | SMD



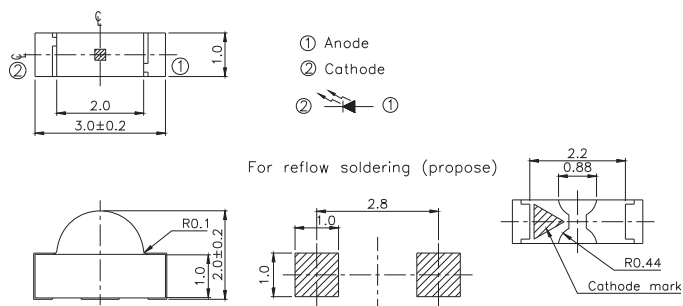
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR11-21C/L11/TR8	3x1.5x1.5	850	1.45	1.65	1	2	75
IR11-21C/TR8	3x1.5x1.5	940	1.2	1.5	0.5	1.6	100
IR11-21C/L302/TR8	3x1.5x1.5	940	1.2	1.5	1.25	2.25	100



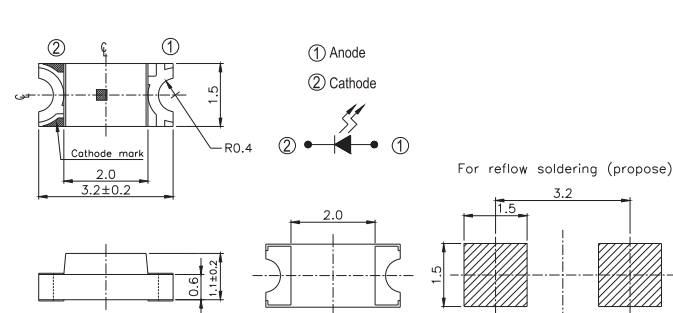
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR12-21C/TR8	3x1x2	940	1.2	1.5	0.5	0.8	160
SIR12-21C/TR8	3x1x2	875	1.3	1.6	0.5	0.9	160
HIR12-21C/TR8	3x1x2	850	1.45	1.65	0.7	1.3	145



UNIT : mm

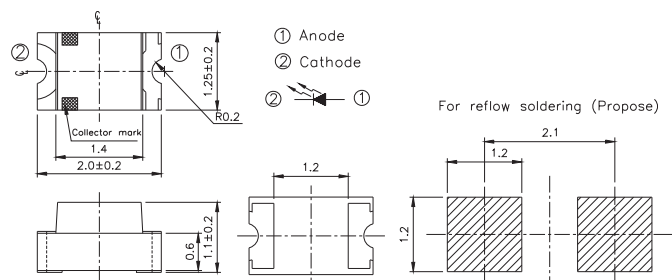


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR15-21C/TR8	3.2x1.5x1.1	940	1.2	1.5	0.2	0.8	160

Infrared LED and Silicon Detector | Emitter | SMD



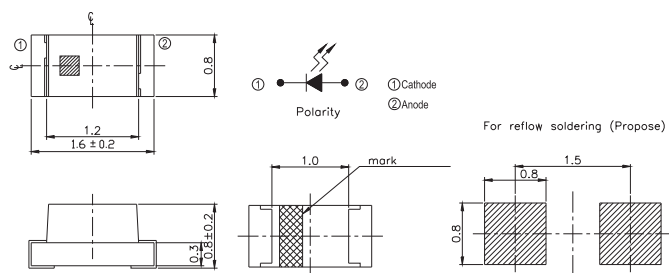
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR17-21C/TR8	2x1.25x1.1	940	1.2	1.5	0.2	0.8	120
HIR17-21C/L289/TR8	2x1.25x1.1	850	1.4	1.7	1.6	2.1	120



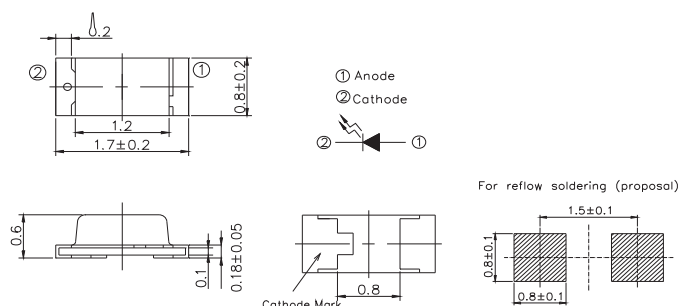
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR19-21C/TR8	1.6x0.8x0.8	940	1.2	1.5	0.2	0.7	150
SIR19-21C/TR8	1.6x0.8x0.8	875	1.3	1.6	0.2	0.5	145
HIR19-21C/L289/TR8	1.6x0.8x0.8	850	1.4	1.7	1.0	1.85	145



UNIT : mm

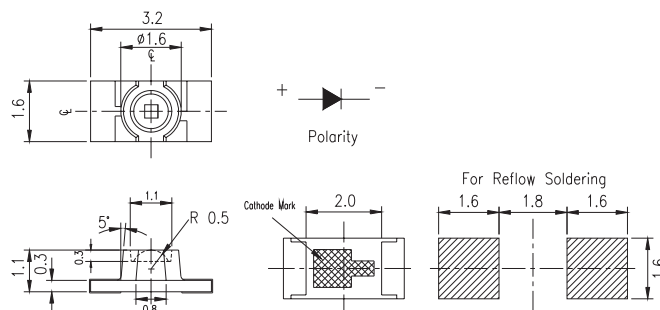


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR19-315C/TR8	1.7x0.8x0.6	940	1.2	1.5	0.2	0.6	140
SIR19-315/TR8	1.7x0.8x0.6	870	1.35	1.7	1	1.3	140

Infrared LED and Silicon Detector | Emitter | SMD



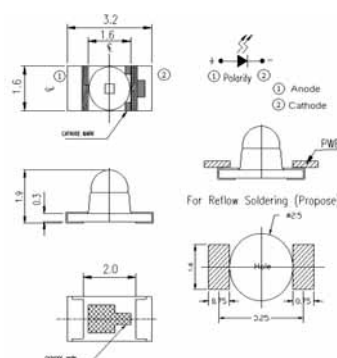
UNIT : mm



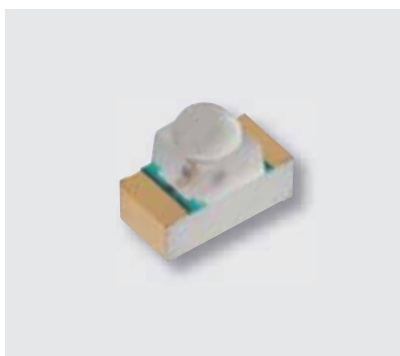
Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR25-21C/TR8	3.2x1.6x1.1	940	1.2	1.5	0.5	1.5	160
HIR25-21C/L423/TR8	3.2x1.6x1.1	850	1.45	1.65	3.0	5.5	70



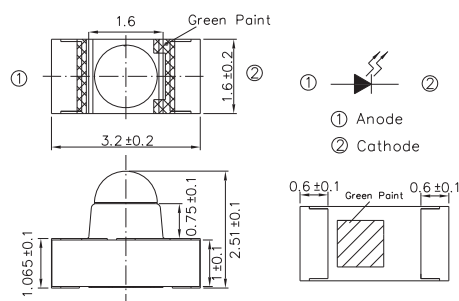
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR26-21C/L110/TR8	3.2x1.6x1.95	940	1.2	1.5	1	3	20
HIR26-21B/L423/CT	3.2x1.6x1.95	850	1.45	1.7	10	20	20



UNIT : mm

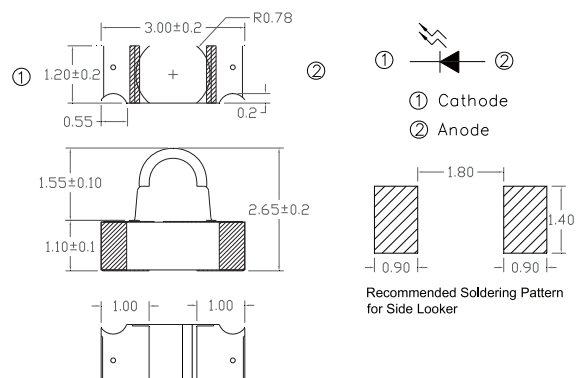


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR26-51C/L110/TR8	3.2x1.6x2.5	940	1.2	1.5	1	3.5	20

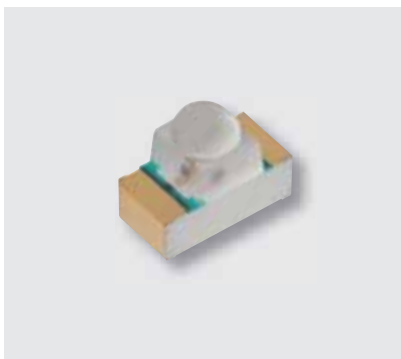
Infrared LED and Silicon Detector | Emitter | SMD



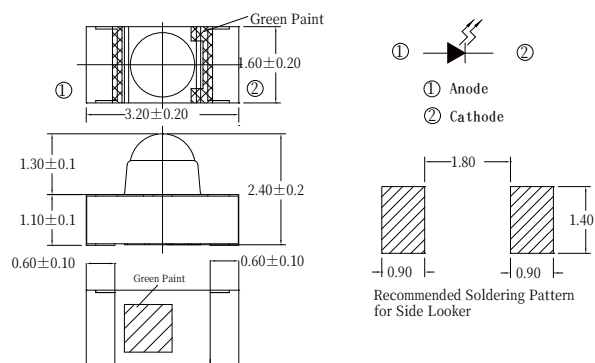
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR26-61C/L302/TR8	3x2.65x1.2	940	1.25	1.5	4.0	8.0	20
IR26-61C/L447/TR8	3x2.65x1.2	940	1.20	1.5	13	18	30



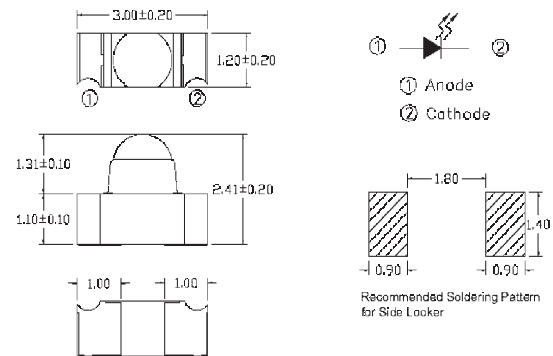
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR26-71C/L302/TR8	3x2.4x1.6	940	1.25	1.5	2.0	4.5	45



UNIT : mm

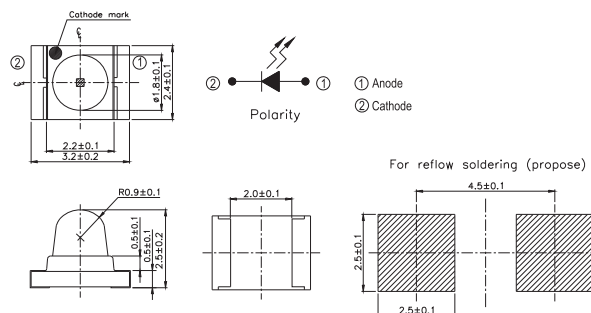


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR26-71C/L447/S63/TR8	3.0x2.41x1.2	940	1.3	1.6	5	8.5	50

Infrared LED and Silicon Detector | Emitter | SMD



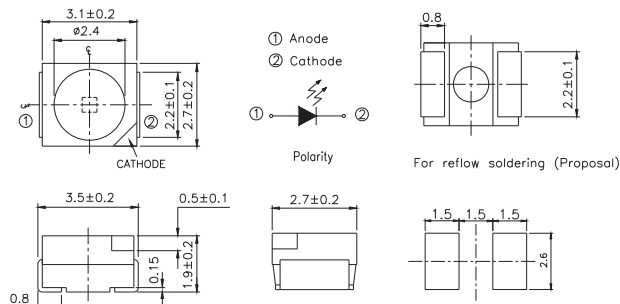
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR42-21C/TR8	3.2x2.4x2.5	940	1.2	1.5	1	3	30
HIR42-21C/L290/TR8	3.2x2.4x2.5	850	1.4	1.7	7	14	35



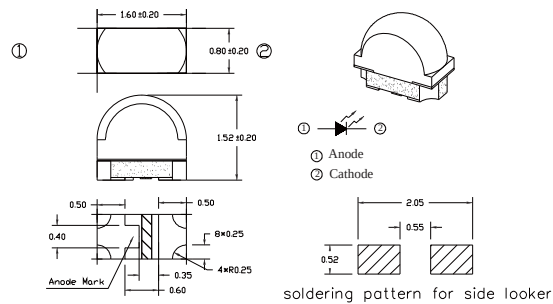
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR67-21C/L11/TR8	3.5x2.7x1.9	850	1.45	1.65	1	2	120
IR67-21C/TR8	3.5x2.7x1.9	940	1.2	1.5	1	1.5	120
SIR67-21C/TR8	3.5x2.7x1.9	875	1.3	1.6	0.5	1.1	120
HIR67-21C/L289/TR8	3.5x2.7x1.9	850	1.4	1.7	2	3	120



UNIT : mm

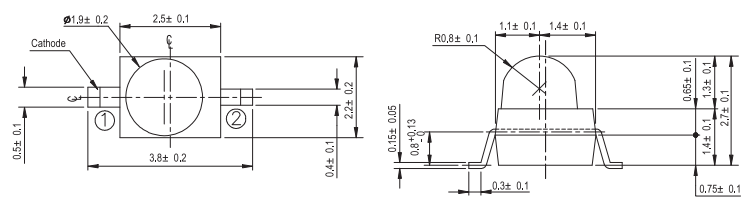


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
HIR83-01B/TR8	1.6x0.8x1.52	850	1.4	1.7	2	5	100(X) 40(Y)

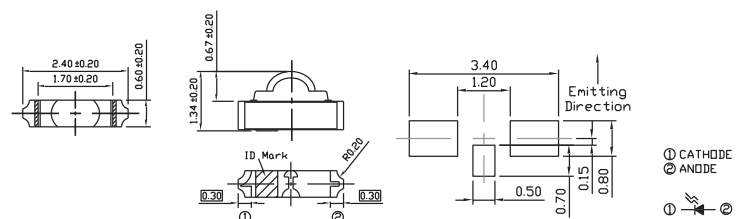
Infrared LED and Silicon Detector



UNIT : mm



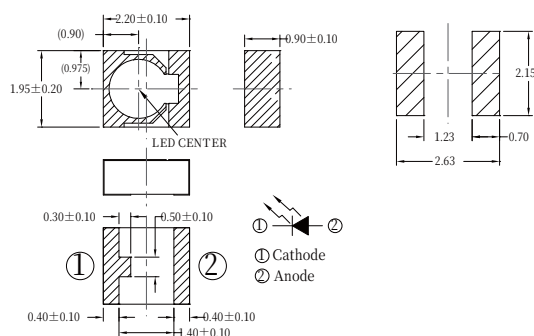
Product	Size (LxWxHmm)	λ_P (nm)	V_F Typ (V)	V_F Max (V)	I_{e_Min} (mW/sr)	I_{e_Typ} (mW/sr)	Viewing Angle (°)
IR91-21C	2.5x2.2x2.7	940	1.2	1.5	3	5	25
IR91-21C/TR7	2.5x2.2x2.7	940	1.2	1.5	3	5	25
IR91-21C/TR10	2.5x2.2x2.7	940	1.2	1.5	3	5	25

178

Infrared LED and Silicon Detector | Emitter | SMD



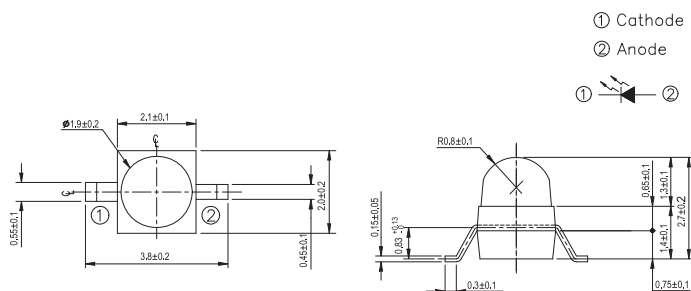
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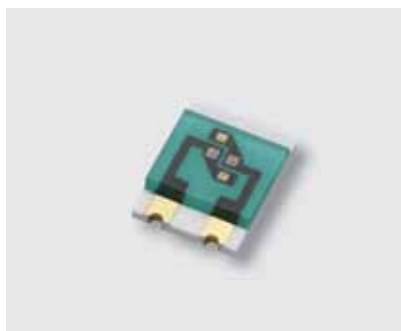
Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
HIR91-01C/L297/2T	2.2x1.95x0.9	850	1.6	2	25	40	40



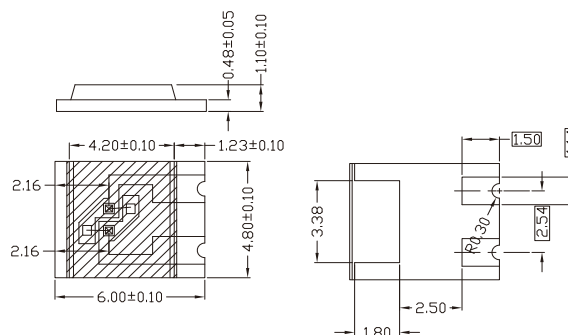
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IR95-21C/TR7	2.1x2x2.7	940	1.2	1.5	3	5	25



UNIT : mm

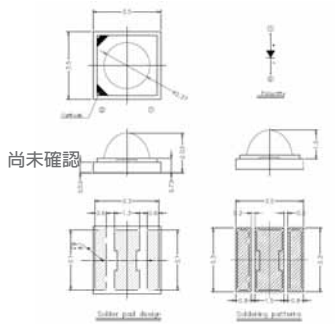


Product	Size (LxWxHmm)	λ_p (nm)	V_F Typ (V)	V_F Max (V)	I_{E_Min} (mW/sr)	I_{E_Typ} (mW/sr)	Viewing Angle (°)
IRR60-48C/TR8	6x4.8x1.1	660/905	2.02/1.25	2.17/1.38	0.5/0.5	1.63/0.92	125/145

Infrared LED and Silicon Detector ■ Emitter ■ High Power



UNIT : mm

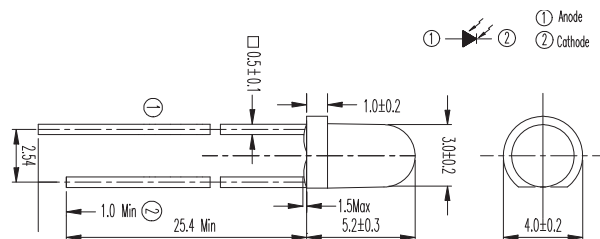


Product	Size (LxWxHmm)	λ P (nm)	VF_Typ (V) (If = 350mA)	Ie_Typ (mW/sr) (If = 350mA)	Power_Typ (mW) (If = 350mA)	Viewing Angle (°)
HIR-C19D/L298-P01/TR	3.5x3.5x2.36	850	1.7	85	260	100
IR-C19-N/L482-P01/TR	3.5x3.5x2.36	940	1.6	75	235	105
HIR-C19D-1N90/L558-P03/TR	3.5x3.5x2.36	850	3.1	170	350	90
IR-C19D-N90/L562-P03/TR	3.5x3.5x2.36	940	3.1	170	370	90

Infrared LED and Silicon Detector | Photo Diode | DIP



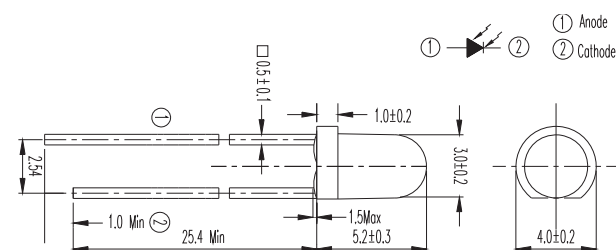
UNIT : mm



Product	Size (mm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD204-6C/L3	3	940	--	10	10 / 10	32	10



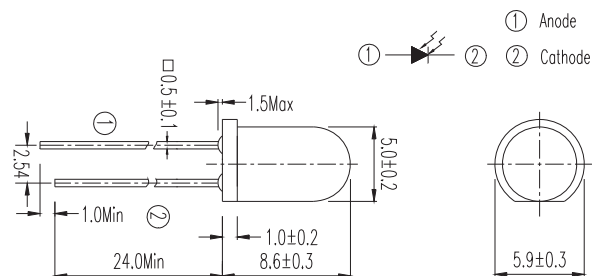
UNIT : mm



Product	Size (mm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD204-6B	3	940	1	3	6 / 6	32	10



UNIT : mm

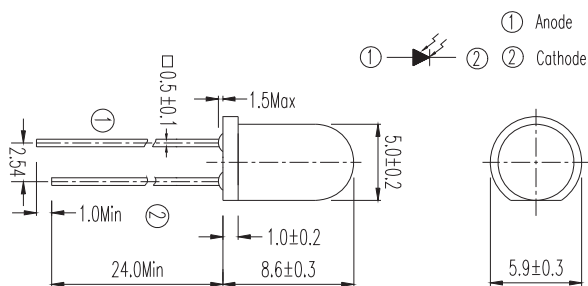


Product	Size (mm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD333-3C/H0/L2	5	940	36	40	45 / 45	32	30

Infrared LED and Silicon Detector | Photo Diode | DIP



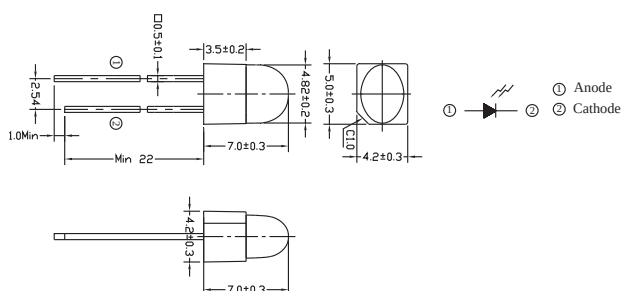
UNIT : mm



Product	Size (mm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD333-3B/H0/L2	5	940	25	35	45 / 45	32	30



UNIT : mm

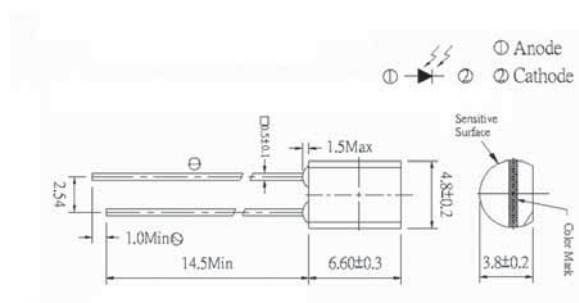


Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Raise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD5443-3B/L2	5	940	25	35	45/45	32	30

Infrared LED and Silicon Detector | Photo Diode | Side Look



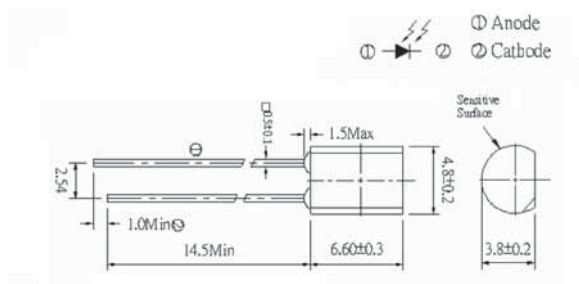
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD438C	4.8x3.8x6.6	940	10.2	18	50 / 50	32	30
PD438C/S46	4.8x3.8x6.6	940	10.2	18	50 / 50	32	30



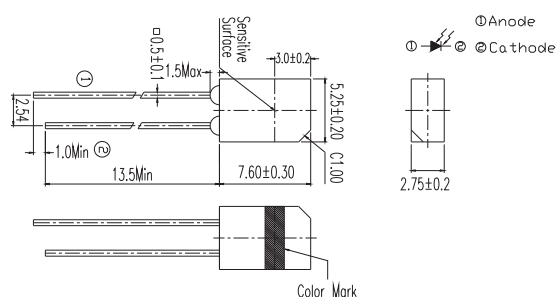
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD438B	4.8x3.8x6.6	940	10.2	18	50 / 50	32	30
PD438B/L1	4.8x3.8x6.6	940	2.6	4	10 / 10	32	10
PD438B/S46	4.8x3.8x6.6	940	10.2	18	50 / 50	32	30



UNIT : mm

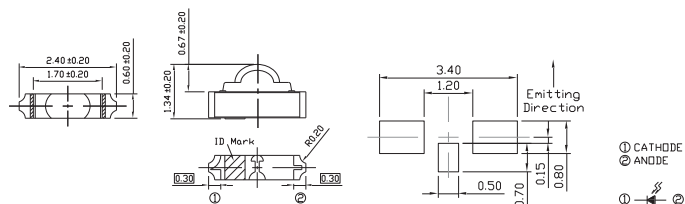


Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD638B	5.2x2.75x7.6	940	10.2	18	50 / 50	32	30

Infrared LED and Silicon Detector | Photo Diode | SMD



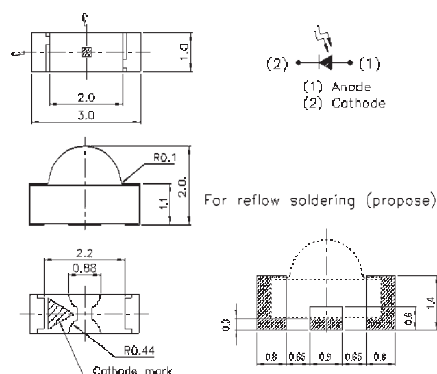
UNIT : mm



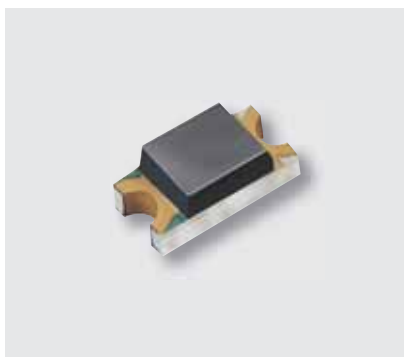
Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD12-206B/L512/TR8	2.4x1.34x0.6	875	--	0.7	830 / 460	33	10



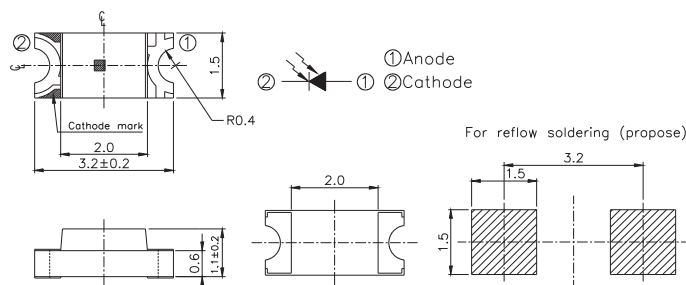
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD12-21B/L458/TR8	3x2x1	940	1.3	1.5	6 / 6	33	10

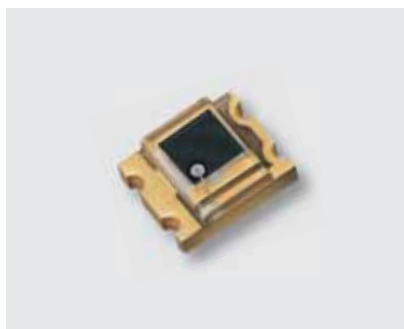


UNIT : mm

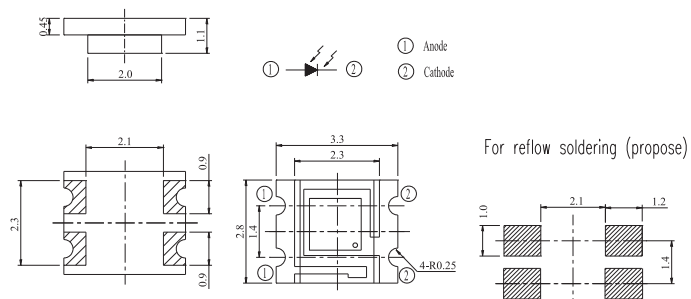


Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD15-21B/TR8	3.2x1.5x1.1	940	0.2	0.8	6 / 6	32	10

Infrared LED and Silicon Detector | Photo Diode | SMD



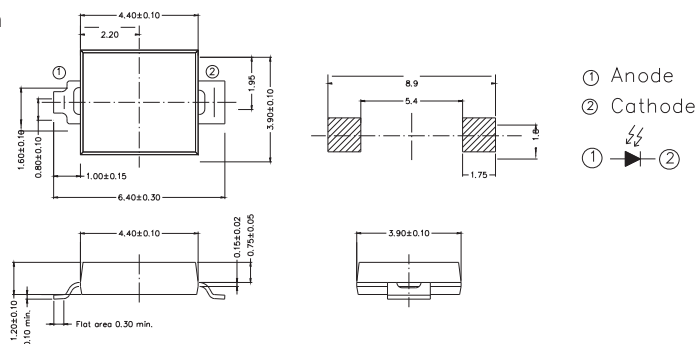
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD15-22C/L1/TR8	3.3x2.8x1.1	940	4.2	6.5	10 / 10	32	10



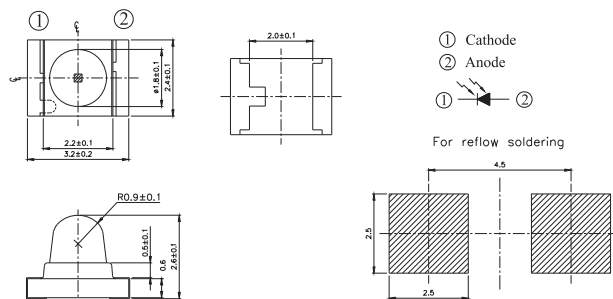
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD70-01B/TR7	4.4x3.9x1.2	940	17	25	50 / 50	32	30
PD70-01C/TR7	4.4x3.9x1.2	940	17	25	50 / 50	32	30



UNIT : mm

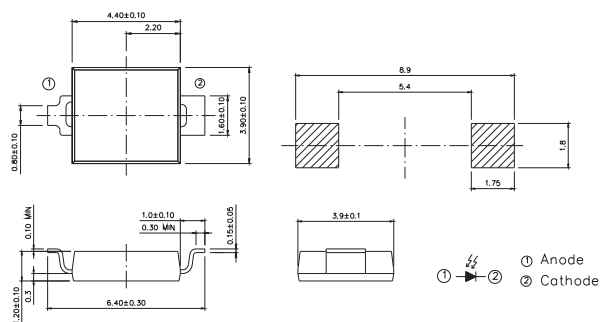


Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD42-21B/TR8	3.2x2.4x2.6	940	2	4	6 / 6	32	10
PD42-21C/TR8	3.2x2.4x2.6	940	2	5	6 / 6	32	10

Infrared LED and Silicon Detector | Photo Diode | SMD



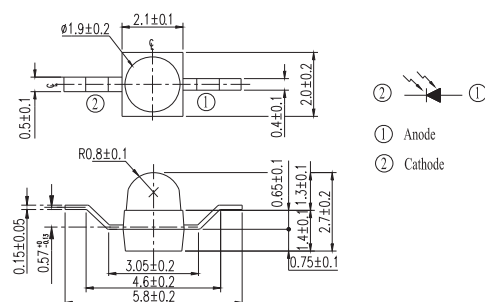
UNIT : mm



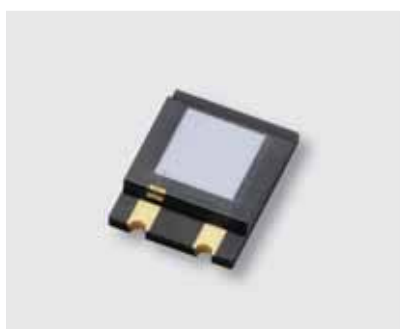
Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD70-01B/TR10	4.4x3.9x1.2	940	17	25	50 / 50	32	30
PD70-01C/TR10	4.4x3.9x1.2	940	17	25	50 / 50	32	30



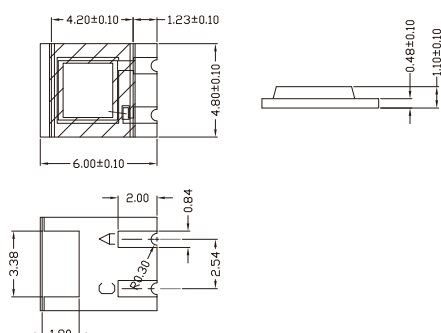
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Rise / Fall Time (ns)	BVR_Min.(V)	ID_Max (nA)
PD95-21B/TR10	2.1x2x2.7	940	1	4	6 / 6	32	10



UNIT : mm

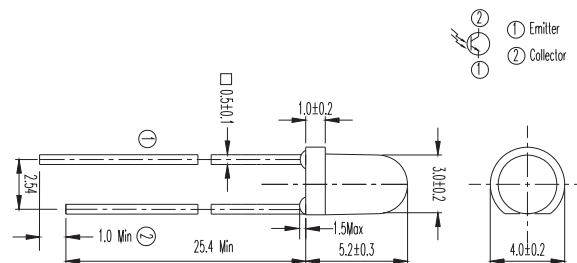


Product	Size (LxWxHmm)	λ_p (nm)	I_L Min (μA)	I_L Typ (μA)	Raise / Fall Time (ns)	BVR_Min (V)	ID_Max (nA)
PD60-48C/TR8	6x4.8x1.1	940	17	33.5	50/50	32	20

Infrared LED and Silicon Detector | Photo Transistor | DIP



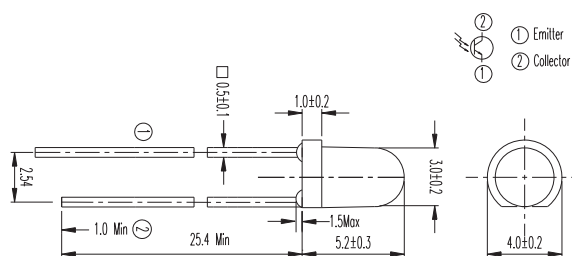
UNIT : mm



Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT204-6C	3	940	15 / 15	0.4	0.7	2	--



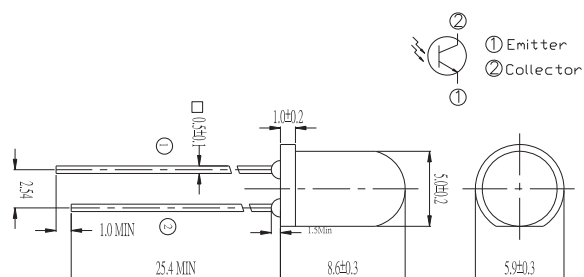
UNIT : mm



Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT204-6B	3	940	15 / 15	0.4	0.7	--	5.07



UNIT : mm

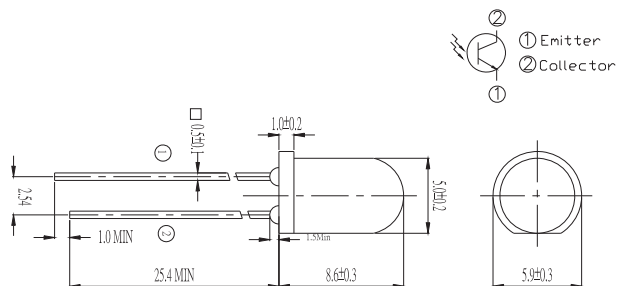


Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT333-3C	5	940	15 / 15	0.4	0.7	4	--

Infrared LED and Silicon Detector | Photo Transistor | DIP



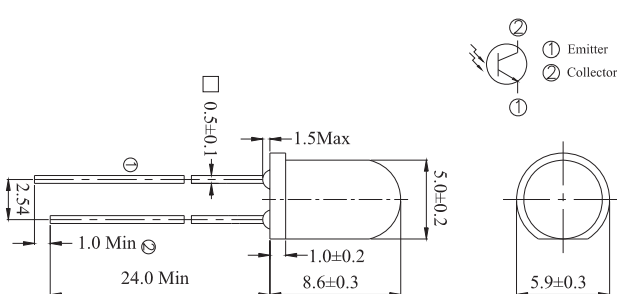
UNIT : mm



Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT333-3B	5	940	15 / 15	0.4	0.7	3	--



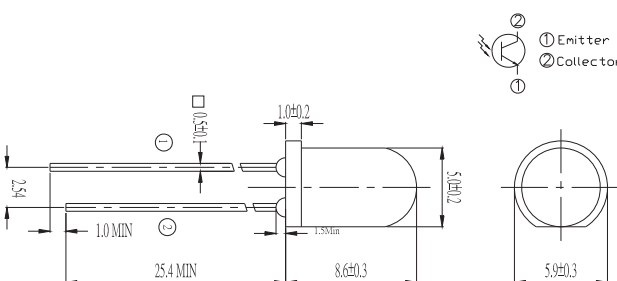
UNIT : mm



Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT334-6C	5	940	15 / 15	0.4	1.77	3.5	--

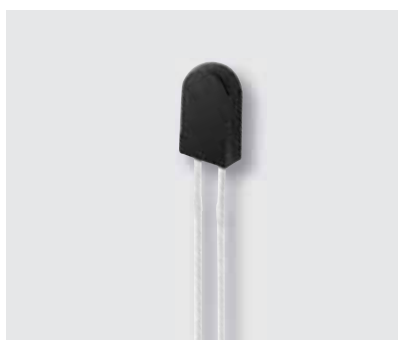


UNIT : mm

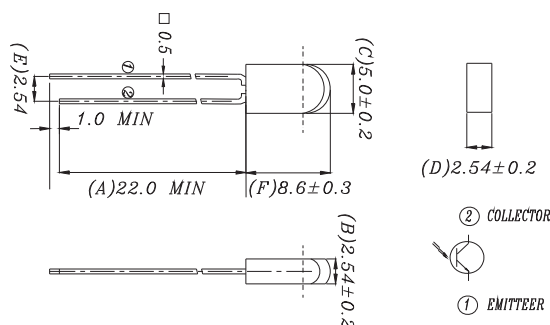


Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT334-6B	5	940	15 / 15	0.4	0.7	2	--

Infrared LED and Silicon Detector | Photo Transistor | DIP



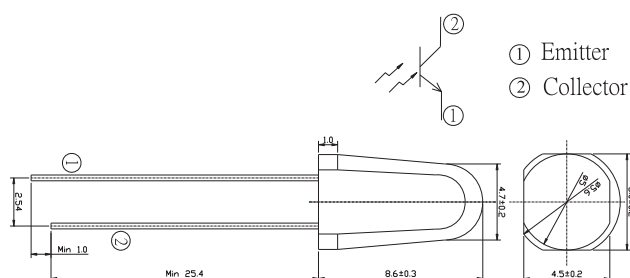
UNIT : mm



Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT534-6B	5	940	15 / 15	0.4	0.7	1.2	--



UNIT : mm

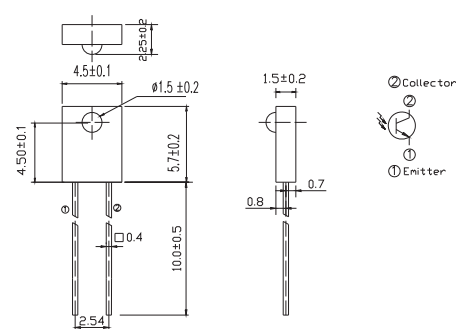


Product	Size (mm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT1504-6B	5	940	15 / 15	0.4	1.77	4	--

Infrared LED and Silicon Detector | Photo Transistor | Side Look



UNIT : mm

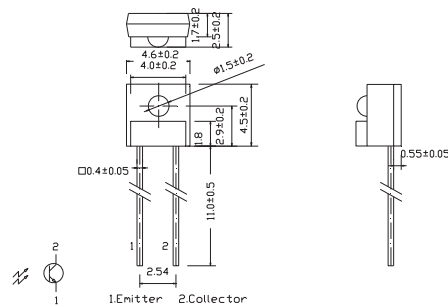


Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT908-7B-F	4.5x2.25x5.7	940	15 / 15	0.4	0.8	--	5
PT908-7C-F	4.5x2.25x5.7	940	15 / 15	0.4	0.8	--	5

Infrared LED and Silicon Detector | Photo Transistor | Side Look



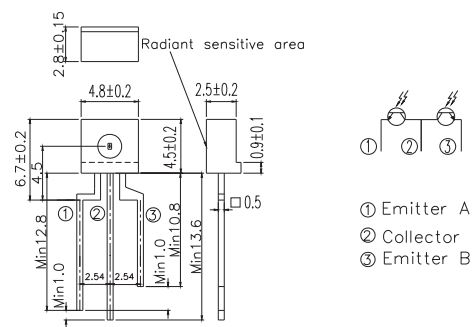
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT928-6B-F	4.6x2.5x4.5	940	15 / 15	0.4	0.53	--	3.41
PT928-6C-F	4.6x2.5x4.5	940	15 / 15	0.4	0.53	--	3.41



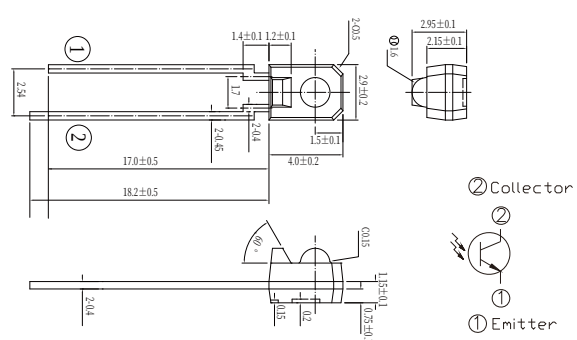
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT2559B/L2-F	4.8x2.8x4.5	940	15 / 15	0.4	0.129	--	1.085
PT2559B/L2/H2-F	4.8x2.8x4.5	940	15 / 15	0.4	0.129	--	1.085
PT5529B/L2-F	4.8x2.8x4.5	940	15 / 15	0.4	0.129	--	1.085
PT5529B/L2/H2-F	4.8x2.8x4.5	940	15 / 15	0.4	0.129	--	1.085



UNIT : mm

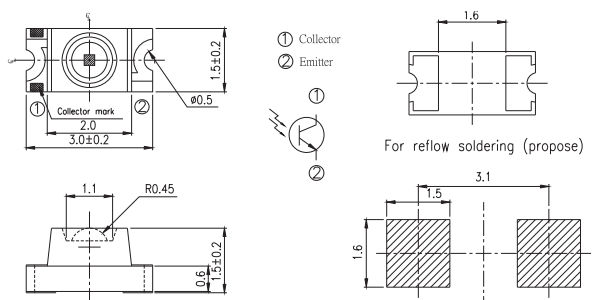


Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT968-8C	2.9x2.9x4	940	15 / 15	0.4	1.59	--	3.41

Infrared LED and Silicon Detector | Photo Transistor | SMD



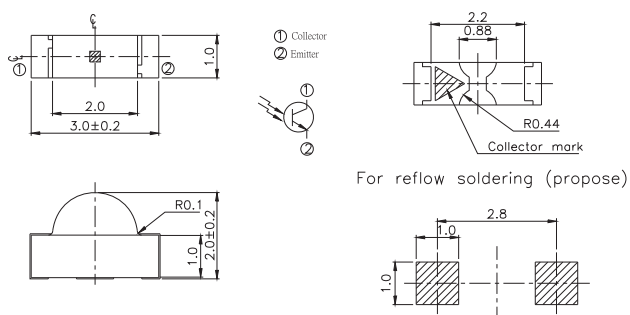
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT11-21C/L41/TR8	3x1.5x1.5	940	15 / 15	0.4	0.3	0.8	--



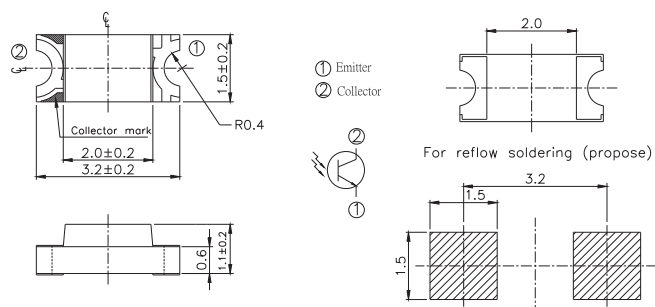
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT12-21B/TR8	3x1x2	940	15 / 15	0.4	0.3	1.14	--
PT12-21C/TR8	3x1x2	940	15 / 15	0.4	0.3	1.14	--

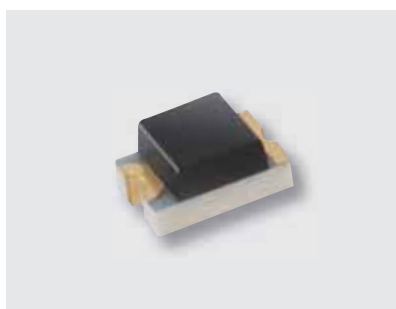


UNIT : mm

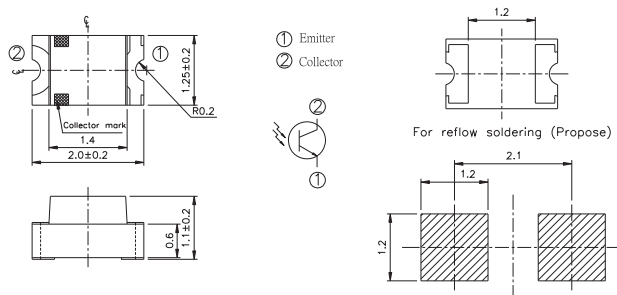


Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT15-21B/TR8	3.2x1.5x1.1	940	15 / 15	0.4	0.1	0.3	--
PT15-21C/TR8	3.2x1.5x1.1	940	15 / 15	0.4	0.1	0.3	--

Infrared LED and Silicon Detector | Photo Transistor | SMD



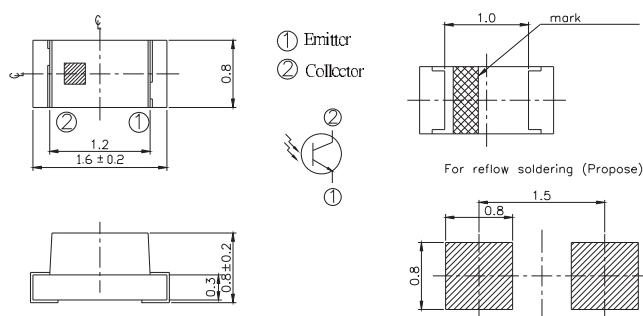
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT17-21B/L41/TR8	2x1.25x1.1	940	15 / 15	0.4	0.1	0.65	--
PT17-21C/L41/TR8	2x1.25x1.1	940	15 / 15	0.4	0.3	1	--



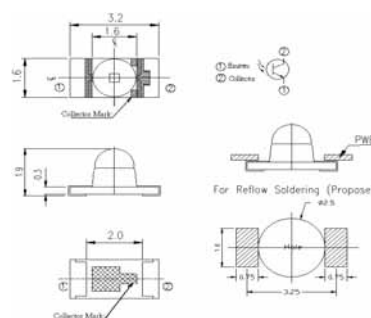
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT19-21B/L41/TR8	1.6x0.8x0.8	940	15 / 15	0.4	0.3	0.6	--
PT19-21C/L41/TR8	1.6x0.8x0.8	940	15 / 15	0.4	0.3	0.6	--



UNIT : mm

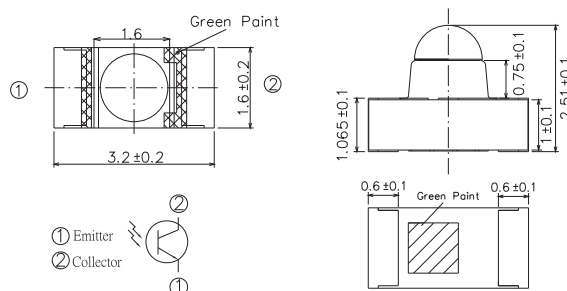


Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT26-21B/TR8	3.2x1.6x1.85	940	15 / 15	0.4	--	1	--
PT26-21C/TR8	3.2x1.6x1.85	940	15 / 15	0.4	0.3	2.6	--

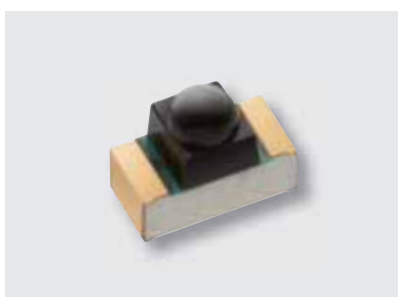
Infrared LED and Silicon Detector | Photo Transistor | SMD



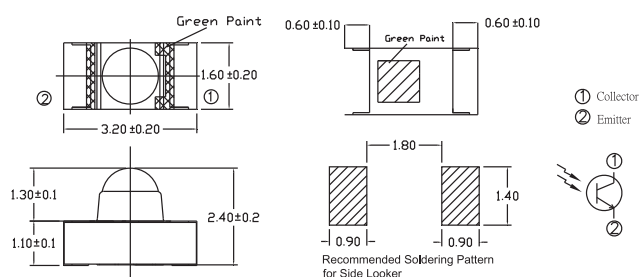
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT26-51B/TR8	3.2x1.6x2.5	940	15 / 15	0.4	--	1	--



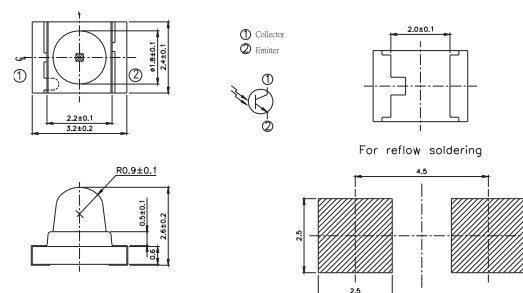
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT26-71B/TR8	3.2x1.6x2.4	940	15/15	0.4	1.14	3	--



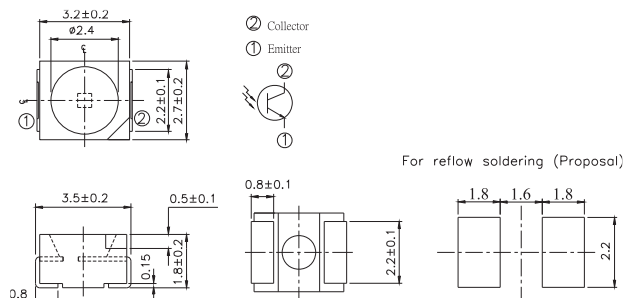
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT42-21B/TR8	3.2x2.4x2.6	940	15 / 15	0.4	1.7	3	--



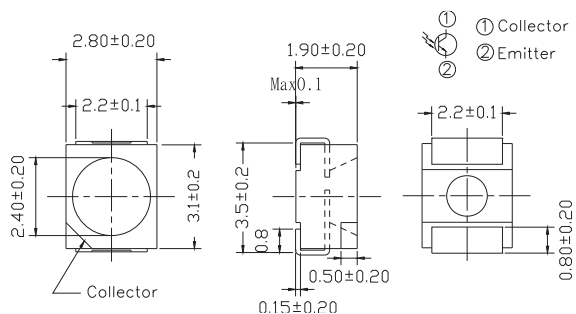
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT67-21B/C14/TR8	3.5x2.7x1.8	940	15 / 15	0.4	0.016	--	0.08

Infrared LED and Silicon Detector | Photo Transistor | SMD

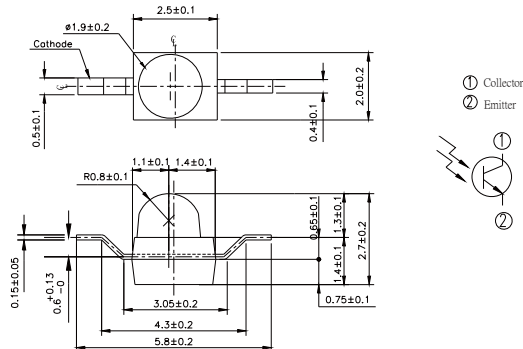
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT67-21C/L41/TR8	3.5x2.8x1.9	940	15 / 15	0.4	0.3	1	--



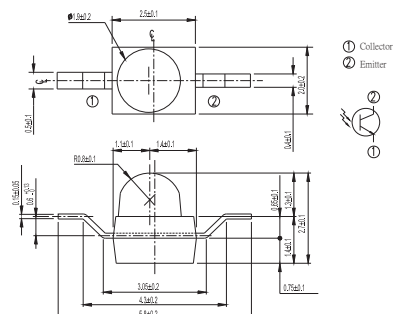
UNIT : mm



Product	Size (LxWxHmm)	λ_P (nm)	Rise / Fall Time (μs)	$V_{CE(SAT)}_{Max}$ (V)	$I_{C(ON)}_{Min}$ (mA)	$I_{C(ON)}_{Typ}$ (mA)	$I_{C(ON)}_{Max}$ (mA)
PT91-21B	2.5x2x2.7	940	15 / 15	0.4	1	3	--
PT91-21B/TR10	2.5x2x2.7	940	15 / 15	0.4	1	3	--
PT91-21B/TR7	2.5x2x2.7	940	15 / 15	0.4	1	3	--
PT91-21B/TR9	2.5x2x2.7	940	15 / 15	0.4	1	3	--



UNIT : mm

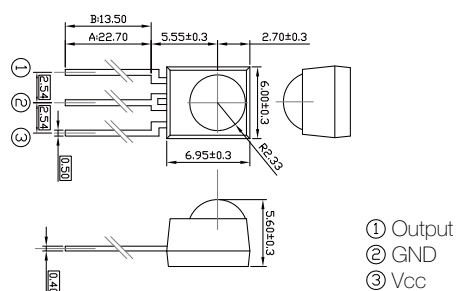


Product	Size (LxWxHmm)	λ_P (nm)	Rise / Fall Time (μs)	$V_{CE(SAT_Max)}$ (V)	$I_{C(ON_Min)}$ (mA)	$I_{C(ON_Typ)}$ (mA)	$I_{C(ON_Max)}$ (mA)
PT91-21C	2.5x2x2.7	940	15 / 15	0.4	1	1.5	--
PT91-21C/TR10	2.5x2x2.7	940	15 / 15	0.4	1	1.5	--
PT91-21C/TR7	2.5x2x2.7	940	15 / 15	0.4	1	1.5	--

Infrared Receiver Module I Short Burst I DIP-Vo – GND – Vcc



UNIT : mm

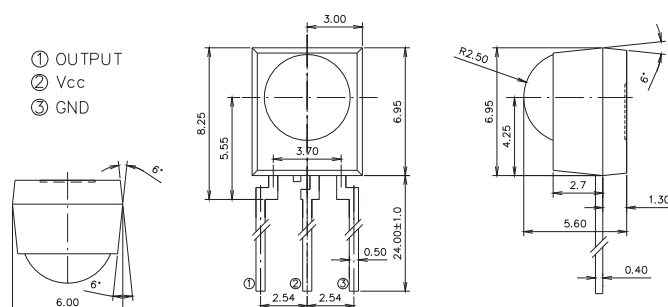


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{cc} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-3636M ^(A)	8.25x6x5.6	940	36	3~5	0.4	14	6
IRM-3638M ^(A)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3656M ^(A)	8.25x6x5.6	940	56	3~5	0.4	14	6
IRM-3636M-X ^(B)	8.25x6x5.6	940	36	3~5	0.4	14	6
IRM-3638M-X ^(B)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3656M-X ^(B)	8.25x6x5.6	940	56	3~5	0.4	14	6

Infrared Receiver Module I Short Burst I DIP-Vo – Vcc – GND



UNIT : mm

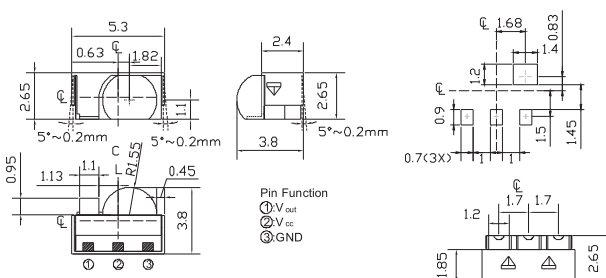


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{cc} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-3736M	8.25x6x5.6	940	36	3~5	0.4	14	6
IRM-3738M	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3756M	8.25x6x5.6	940	56	3~5	0.4	14	6

Infrared Receiver Module I Short Burst I SMD

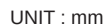


UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{cc} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-V536M/TR1	5.3x3.8x2.65	940	36	3~5	0.4	8	5
IRM-V538M/TR1	5.3x3.8x2.65	940	38	3~5	0.4	8	5

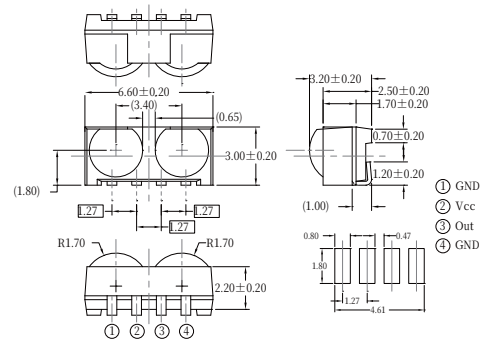
Infrared Receiver Module

196

Infrared Receiver Module | Short Burst | SMD



UNIT : mm

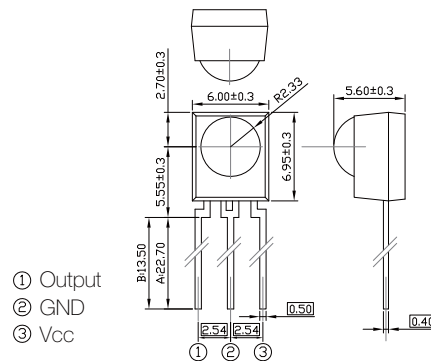


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-V836M/TR1	6.6×3×3.2	940	36	3~5	0.4	8	5
IRM-V838M/TR1	6.6×3×3.2	940	38	3~5	0.4	8	5

Infrared Receiver Module | Standard Burst | DIP-Vo – GND – Vcc



UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-3636M3 ^(A)	8.25x6x5.6	940	36	3~5	0.4	14	6
IRM-3636T ^(A)	8.25x6x5.6	940	36	3~5	1	14	6
IRM-3638M2 ^(A)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3638M3 ^(A)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3638T ^(A)	8.25x6x5.6	940	38	3~5	1	14	6
IRM-3638C ^(A)	8.25x6x5.6	940	38	2.7~5	0.9	14	6
IRM-3640M2 ^(A)	8.25x6x5.6	940	40	3~5	0.4	14	6
IRM-3640T ^(A)	8.25x6x5.6	940	40	3~5	1	14	6
IRM-3640C ^(A)	8.25x6x5.6	940	40	2.7~5	0.9	14	6
IRM-3656M3 ^(A)	8.25x6x5.6	940	56	3~5	0.4	14	6
IRM-3656T ^(A)	8.25x6x5.6	940	56	3~5	1	14	6
IRM-3636T-X ^(B)	8.25x6x5.6	940	36	3~5	1	14	6
IRM-3638M2-X ^(B)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3638M3-X ^(B)	8.25x6x5.6	940	38	3~5	0.4	14	6
IRM-3638T-X ^(B)	8.25x6x5.6	940	38	3~5	1	14	6
IRM-3638C-X ^(B)	8.25x6x5.6	940	38	2.7~5	0.9	14	6
IRM-3640T-X ^(B)	8.25x6x5.6	940	40	3~5	1	14	6
IRM-3656M3-X ^(B)	8.25x6x5.6	940	56	3~5	0.4	14	6

Figure 1-18 PCB Footprint

The diagram illustrates the mechanical specifications for the PCB footprint of the ADXL045. It includes three views: a top view showing the overall dimensions and central pad, a side view showing the profile and mounting holes, and a bottom view showing the pin locations.

- Top View:** Shows a central circular pad with a diameter of 2.70 mm. The square area around it has a side length of 3.93 mm. The distance from the center to the edges is 2.87 mm (left), 4.77 mm (right), 3.00 mm (bottom-left), and 3.00 mm (bottom-right). The total width of the footprint is 6.93 mm.
- Side View:** Shows the profile of the footprint. The total height is 1.80 mm. The distance from the top edge to the center of the circular pad is 2.70 mm. The distance from the center of the pad to the bottom edge is 3.30 mm. The thickness of the footprint is 0.5 mm.
- Bottom View:** Shows the location of the three pins. The pins are spaced 2.54 mm apart. The distance from the center of the footprint to each pin is 2.54 mm. The pin diameters are 0.50 mm.

Legend:

- ① Output
- ② GND
- ③ Vcc



6.8
 7.9
 14.41±0.5
 1.6
 5.5
 0.5
 2.54
 2.54
 3.8
 9.5
 R0.2
 8.6
 6.5
 1.2
 3.8
 0.4
 1.0
 1.3
 1.4
 R0.2

○ CUT
 ○ GND
 ○ Vcc

NOTES:
 1.LENGTH : mm
 2.This drawing assumes is a standard value.
 3.In case of designation is tolerance

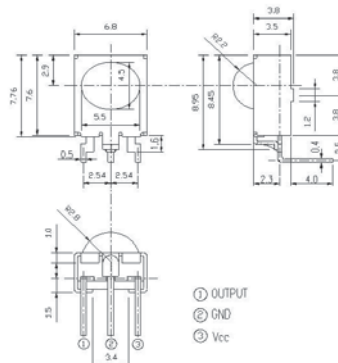
1.5mm

198

Infrared Receiver Module | Standard Burst | DIP-Vo – GND – Vcc



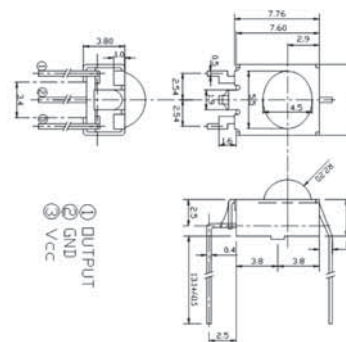
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8602M2	10.1x6.8x6	940	38	3~5	0.4	8	4
IRM-8602M2-2	10.1x6.8x6	940	36	3~5	0.4	8	4



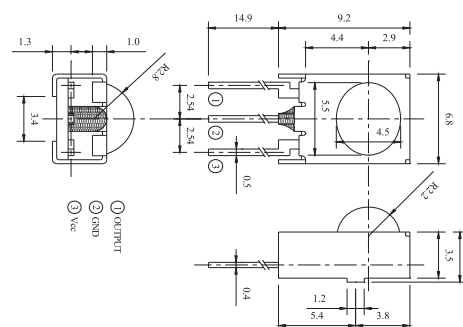
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8607M2	10.1x6.8x6	940	38	3~5	0.4	8	4



UNIT : mm

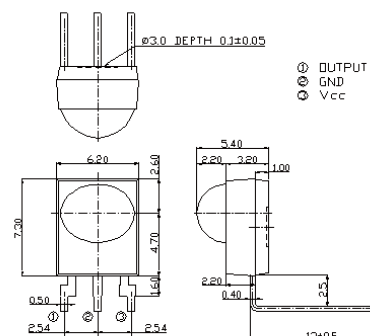


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8608M2	9.2x6.8x6	940	38	3~5	0.4	8	4

Infrared Receiver Module | Standard Burst | DIP-Vo – GND – Vcc



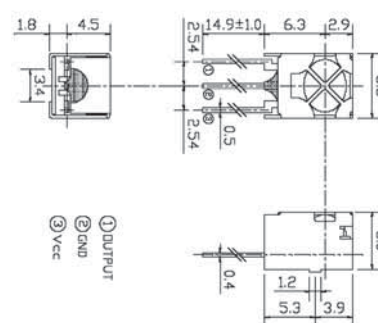
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8609M2-4-M	9.2×6.2×5.4	940	40	3~5	0.4	14	6



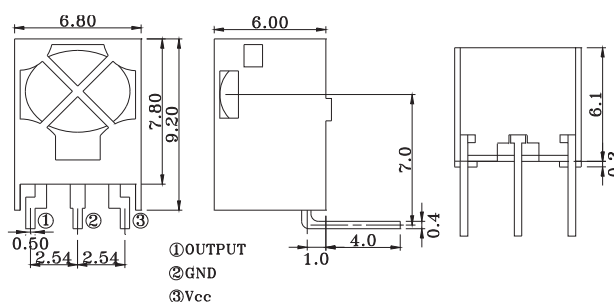
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8751M2	9.2×6.8×6	940	38	3~5	0.4	8	4



UNIT : mm

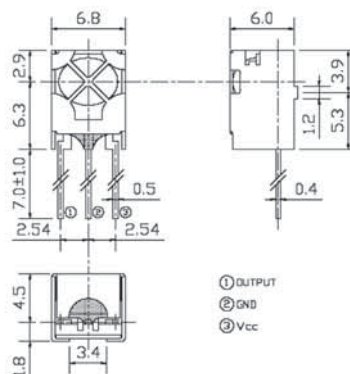


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8752M2	10.1×6.8×6	940	38	3~5	0.4	8	4
IRM-8752M2-2	10.1×6.8×6	940	36	3~5	0.4	8	4

Infrared Receiver Module | Standard Burst | DIP-Vo – GND – Vcc



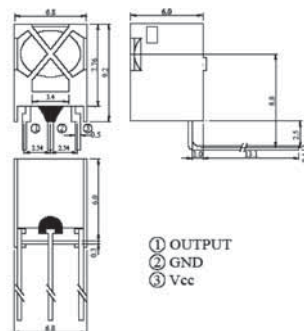
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8753M2	9.2x6.8x6	940	38	3~5	0.4	8	4



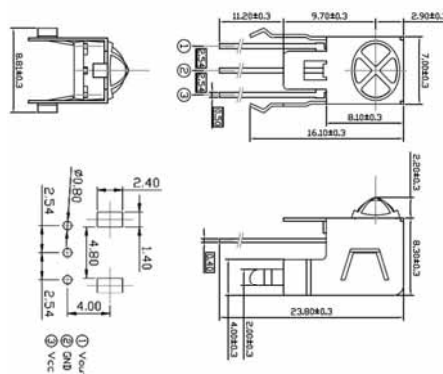
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8755M2	9.2x6.8x6	940	38	3~5	0.4	8	4

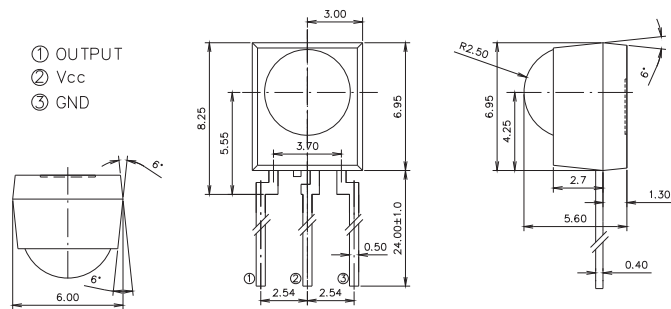
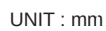
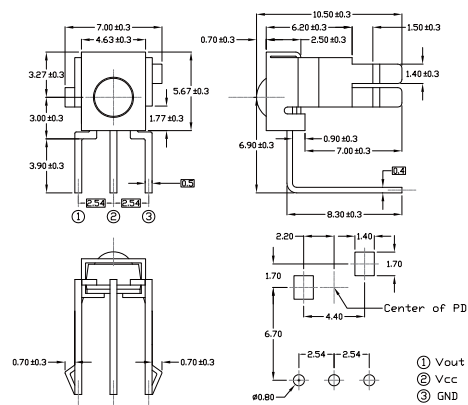


UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8861M2	8.1x7x10.5	940	38	3~5	0.4	8	4

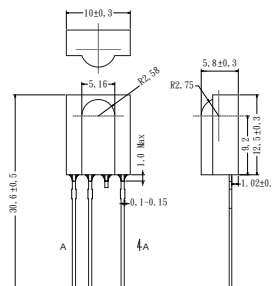
Infrared Receiver Module

A 3D perspective view of a metal bracket. It features a rectangular base with a circular hole in the center. A vertical plate is attached to the base, and a horizontal plate extends from the top of the vertical plate. The bracket is shown in a light blue color with a metallic texture.202

Infrared Receiver Module | Standard Burst | DIP-GND-Vcc-Vo



UNIT : mm

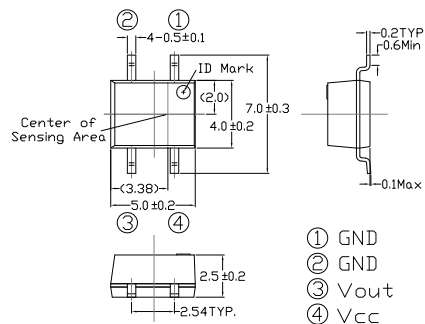


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-8838M3	30.6x10x5.8	940	38	2.7 ~ 5.5	0.4	14	6

Infrared Receiver Module | Standard Burst | SMD



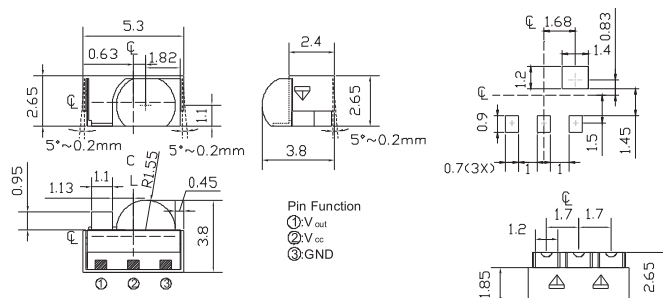
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-H936M3/TR2	5x4x2	940	36	3~5	0.4	8	5
IRM-H938M3/TR2	5x4x2	940	38	3~5	0.4	8	5
IRM-H938T/TR2	5x4x2	940	36	3~5	1	8	5



UNIT : mm

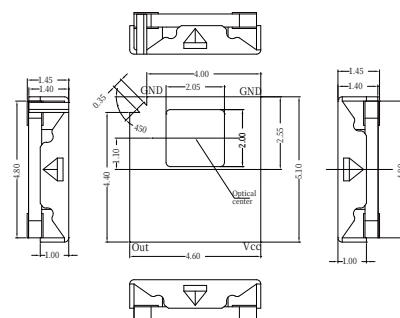


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-V536M3/TR1	5.3x3.8x2.65	940	36	3~5	0.4	8	5
IRM-V538M3/TR1	5.3x3.8x2.65	940	38	3~5	0.4	8	5
IRM-V538T/TR1	5.3x3.8x2.65	940	38	3~5	1	8	5
IRM-V540M2/TR1	5.3x3.8x2.65	940	40	3~5	0.4	8	5
IRM-V540C/TR1	5.3x3.8x2.65	940	40	3~5	0.9	8	5

Infrared Receiver Module | Standard Burst | SMD



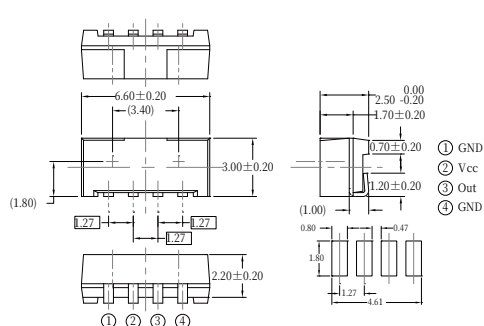
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-H236T/TR2	5.1×4.6×1.45	940	36	3~5	1	8	5
IRM-H236M3/TR2	5.1×4.6×1.45	940	36	3~5	0.4	8	5
IRM-H238M3/TR2	5.1×4.6×1.45	940	38	3~5	0.4	8	5
IRM-H238T/TR2	5.1×4.6×1.45	940	38	3~5	1	8	5
IRM-H240M2/TR2	5.1×4.6×1.45	940	40	3~5	0.4	8	5
IRM-H240C/TR2	5.1×4.6×1.45	940	40	2.7~5	0.9	8	5



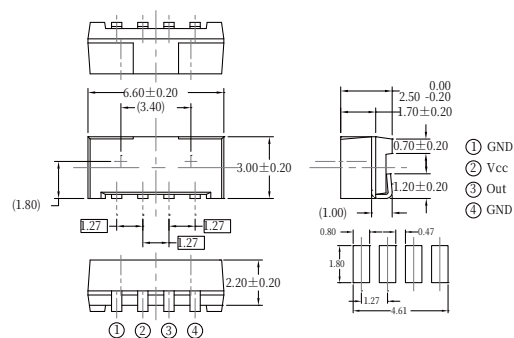
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-H336M3/TR2	6.6×3×2.5	940	36	3~5	0.4	8	5
IRM-H338M3/TR2	6.6×3×2.5	940	38	3~5	0.4	8	5



UNIT : mm

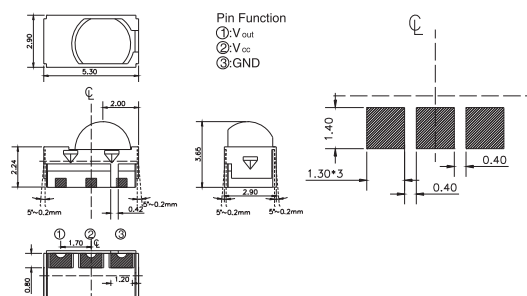


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-V336M3/TR1	6.6×3×2.5	940	36	3~5	0.4	8	5

Infrared Receiver Module | Standard Burst | SMD



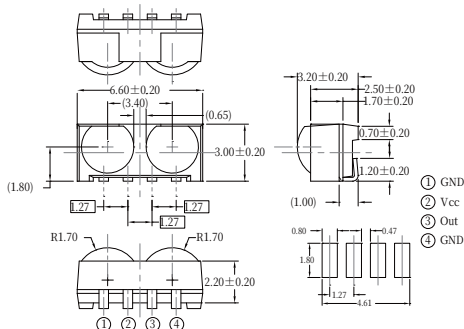
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I _{CC} Typ (mA)	L _{Center} (m)	L ₄₅ (m)
IRM-H538M3	5.3x2.9x3.65	940	36	3~5	0.4	8	5
IRM-H538T/TR2	5.3x2.9x3.65	940	38	3~5	1	8	5



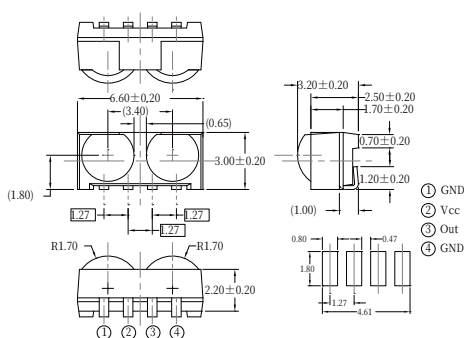
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I _{CC} Typ (mA)	L _{Center} (m)	L ₄₅ (m)
IRM-V836M3/TR1	6.6x3x3.2	940	36	3~5	0.4	8	5
IRM-V838C/TR1	6.6x3x3.2	940	38	3~5	0.55	8	5
IRM-V838M3/TR1	6.6x3.2x3	940	38	3~5	0.4	8	5
IRM-V840C/TR1	6.6x3x3.2	940	40	3~5	0.55	8	5



UNIT : mm

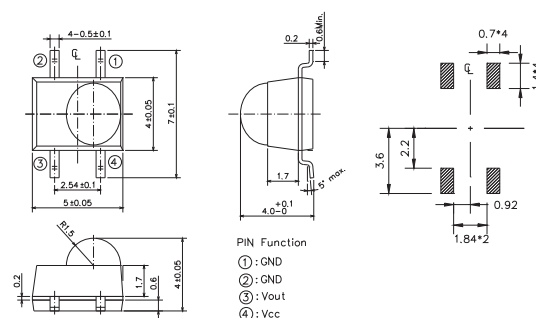


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I _{CC} Typ (mA)	L _{Center} (m)	L ₄₅ (m)
IRM-H836M3/TR2	6.6x3x3.2	940	36	3~5	0.4	8	5
IRM-H838M3/TR2	6.6x3x3.2	940	38	3~5	0.4	8	5

Infrared Receiver Module | Standard Burst | SMD



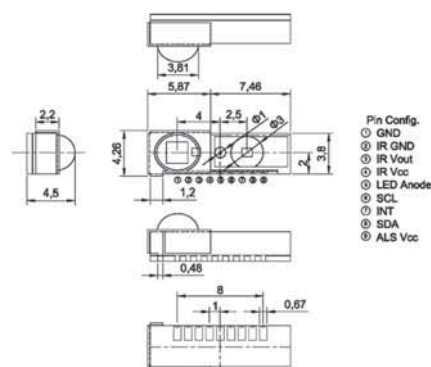
UNIT : mm



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-H636M3/TR2	5x4x4	940	36	3~5	0.4	8	5
IRM-H636T/TR2	5x4x4	940	36	3~5	1	8	5
IRM-H638M3/TR2	5x4x4	940	38	3~5	0.4	8	5
IRM-H638T/TR2	5x4x4	940	38	3~5	1	8	5
IRM-H656T/TR2	5x4x4	940	56	3~5	1	8	5

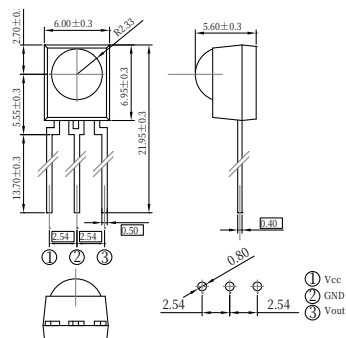


UNIT : mm



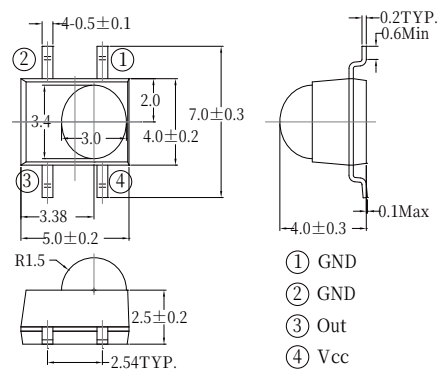
Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{30} (m)
RLA-38R16	13.33x4.26x4.5	940	38	2.7 ~ 5.5	0.4	24	20

Infrared Receiver Module

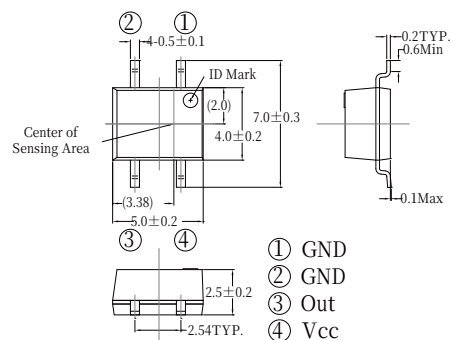
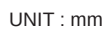


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I _{CC} Typ (mA)	L _{Center} (m)	L ₄₅ (m)
IRM-3600W	8.25x6x5.6	940	30~56	2.5~5	1.2	14	6

Infrared Receiver Module



Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I_{CC} Typ (mA)	L_{Center} (m)	L_{45} (m)
IRM-H600JW	5x4x4	850	20~60	2.5~5	0.6	8	5
IRM-H620J5/TR2	5x4x4	850	20	2.5~5	0.6	8	5

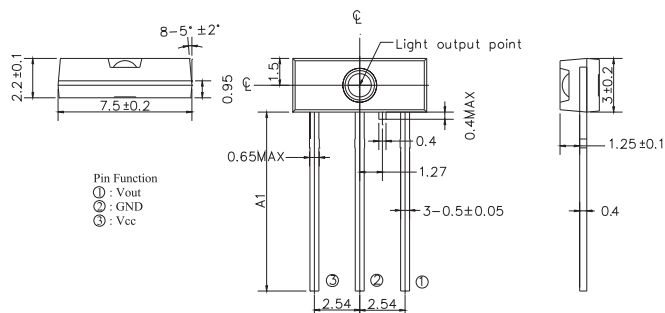


Product	Size (LxWxHmm)	λ_p (nm)	Carrier Freq. (KHz)	Supply Voltage (V)	I _{CC} Typ (mA)	L _{Center} (m)	L ₄₅ (m)
IRM-H920J5/TR2	5×4×2	850	20	2.5~5	0.6	8	5

Optic-Fiber Device (Photo Link) | Receiver (PLR) Component



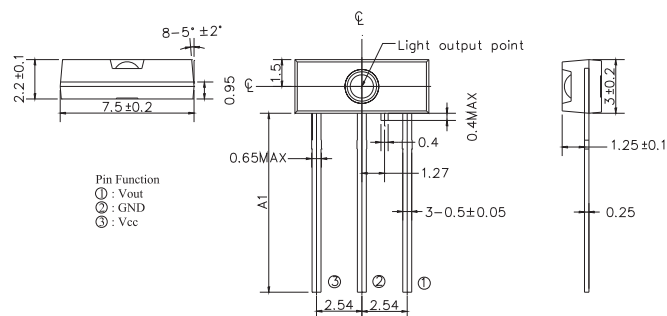
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR135	7.5x3x2.2	-14	-27	2.4~5.5	None	16	0.4



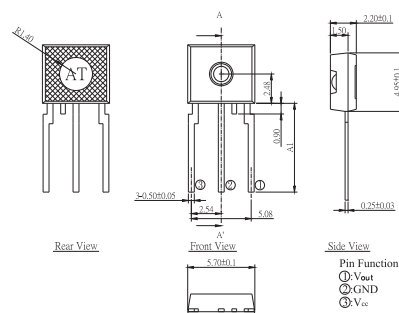
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR137	7.5x3x2.2	-14	-27	2.4~5.5	None	16	0.25
PLR237	7.5x3x2.2	-14	-27	2.4~5.5	None	25	0.25

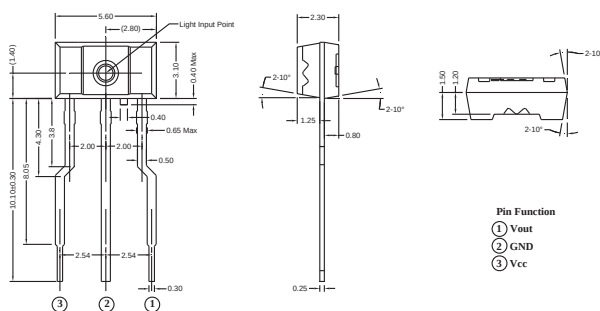
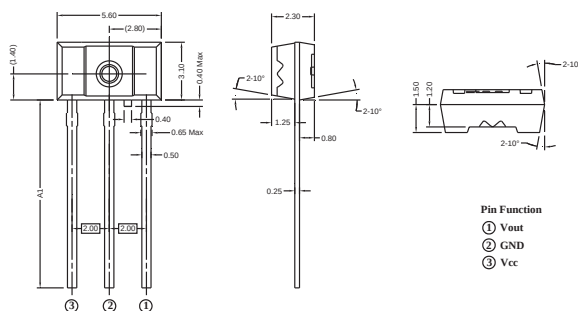
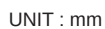


UNIT : mm

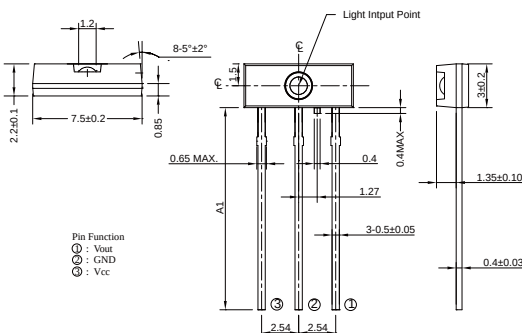
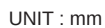


Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR155	5.7x4.95x2.2	-14	-27	2.4~5.5	None	16	0.25

Optic-Fiber Device (Photo Link)



Optic-Fiber Device (Photo Link)

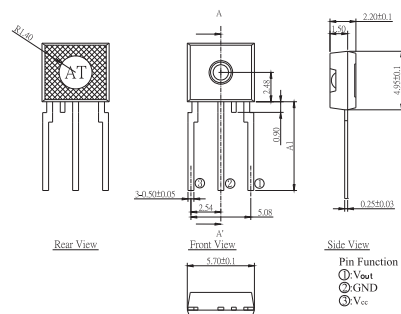


Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR233	7.5x3x2.2	-14	-27	2.4~5.5	None	25	0.4

Optic-Fiber Device (Photo Link) ■ Receiver (PLR) Component



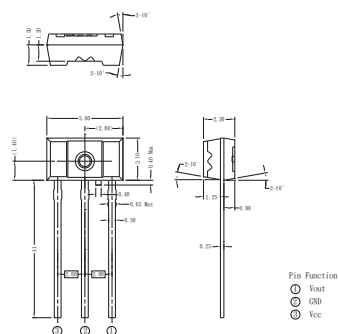
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR253	5.7x4.95x2.2	-14	-27	2.4~5.5	None	25	0.25

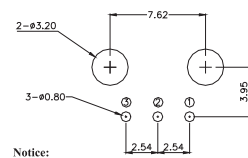
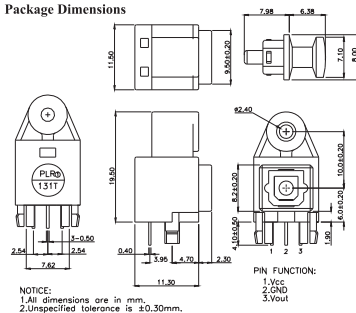
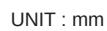


UNIT : mm



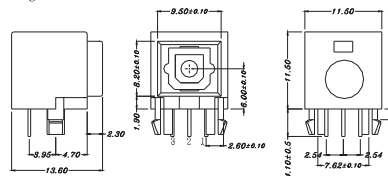
Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR262	5.6x3.1x2.3	-14	-27	2.4~5.5	None	25	0.25

Optic-Fiber Device (Photo Link)



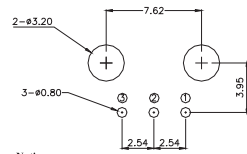
Notice:

1. Unit:mm
2. PCB tolerance:1.6mm



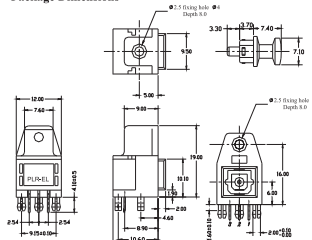
Notes: 1. All dimensions are in millimeters.
2. General Tolerance : $\pm 0.3\text{mm}$

Pin Function: 1.Vout
2.GND
3.Vcc



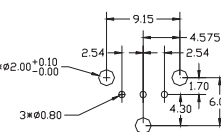
Notice:

1. Unit:mm
2. PCB tolerance:1.6mm



Notes: 1. All dimensions are in millimeters.
±0.3mm

Pin Function: 1.Vout
2.GND
3.Vcc



Notice:

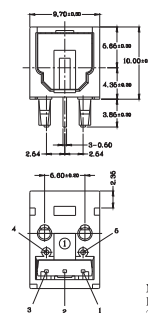
1. Unit:mm
2. PCB tolerance:1.6mm

211

Optic-Fiber Device (Photo Link) ■ Receiver (PLR) Module



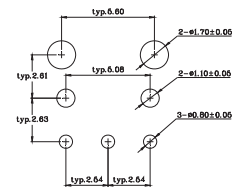
UNIT : mm



Pin Function:
1. Vout
2. GND
3. Vcc
4. NC
5. NC

NOTICE
1. All dimensions are in mm
2. Unspecified tolerance is $\pm 0.30\text{mm}$

PCB Layout for Electrical Circuit

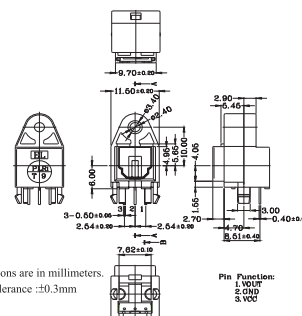


Notice:
1. Unit:mm
2. PCB tolerance:1.6mm

Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR135/T8	9.7x13.5x10	-14	-27	2.4~5.5	Yes	16	0.4



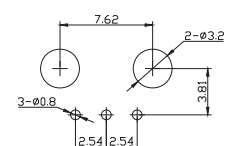
UNIT : mm



Notes: 1. All dimensions are in millimeters.
2. General Tolerance $\pm 0.3\text{mm}$

Pin Function:
1. VOUT
2. GND
3. VCC

PCB Layout for Electrical Circuit



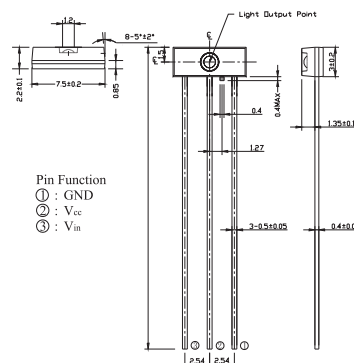
Notice:
1. Unit:mm
2. PCB tolerance:1.6mm

Product	Size (LxWxHmm)	Fiber Coupling Receiver Power_ Max (dBm)	Fiber Coupling Receiver Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLR135/T9	11.5x14x20	-14	-27	2.4~5.5	Yes	16	0.4

Optic-Fiber Device (Photo Link) ■ Transmitter (PLT) Component



UNIT : mm



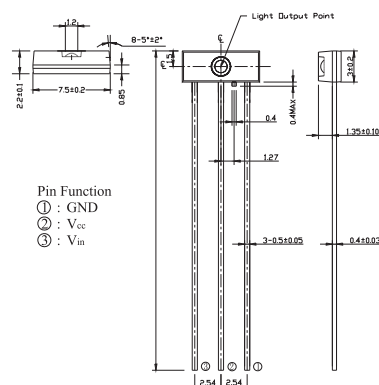
Pin Function
① : GND
② : Vcc
③ : Vin

Product	Size (LxWxHmm)	Fiber Coupling Output Power_ Max (dBm)	Fiber Coupling Output Power_ Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT132	7.5x3x2.2	-15	-21	3~5	None	16	0.4

Optic-Fiber Device (Photo Link) ■ Transmitter (PLT) Component



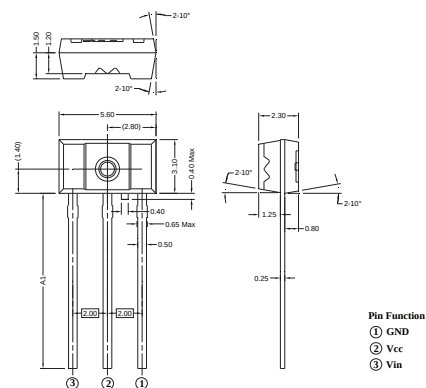
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT133	7.5x3x2.2	-15	-21	3~5	None	16	0.4



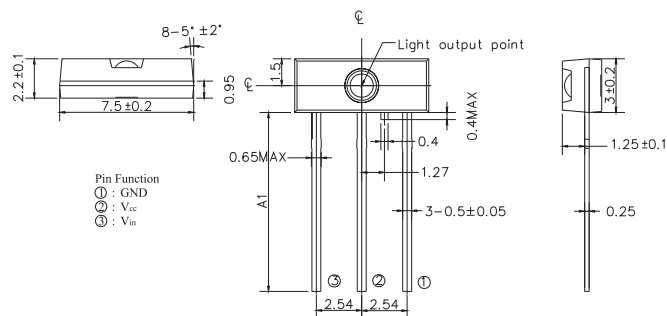
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT262	5.6x3.1x2.3	-15	-21	3~5	None	25	0.25

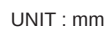
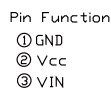


UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT137	7.5x3x2.2	-15	-21	3~5	None	16	0.25
PLT237	7.5x3x2.2	-15	-21	3~5	None	25	0.25

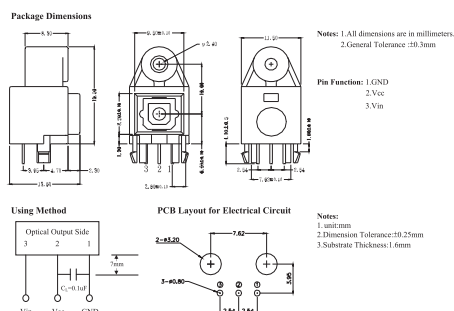
Optic-Fiber Device (Photo Link)

UNIT : mmUNIT : mm214

Optic-Fiber Device (Photo Link) ■ Transmitter (PLT) Module



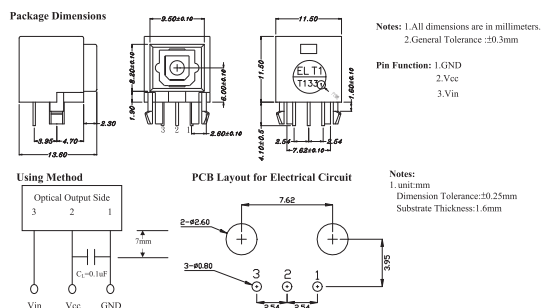
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thickness (mm)
PLT133/T	11.5x13.6x19.5	-15	-21	3~5	Yes	16	0.4



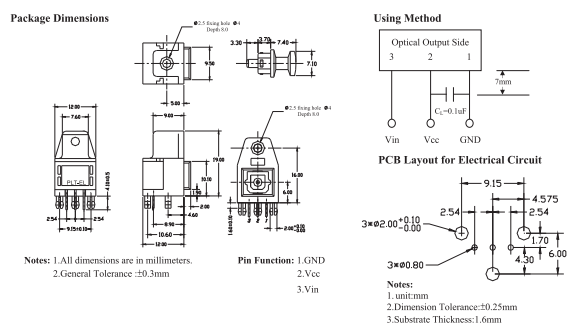
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thickness (mm)
PLT133/T1	11.5x13.6x11.5	-15	-21	3~5	Yes	16	0.4



UNIT : mm

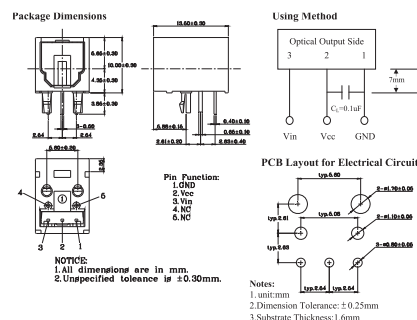


Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thickness (mm)
PLT133/T2	12x14x19	-15	-21	3~5	Yes	16	0.4

Optic-Fiber Device (Photo Link) | Transmitter (PLT) Module



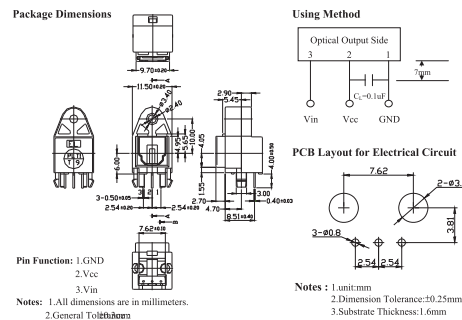
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT133/T8B	9.7x13.5x10	-15	-21	3~5	Yes	16	0.4



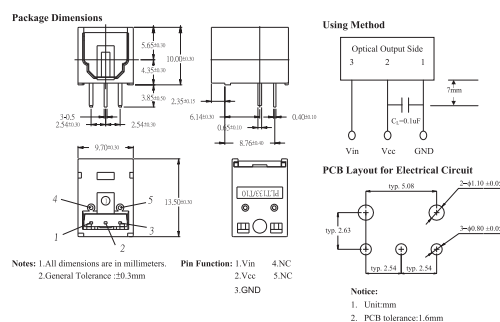
UNIT : mm



Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT133/T9	11.5x13.5x20	-15	-21	3~5	Yes	16	0.4



UNIT : mm

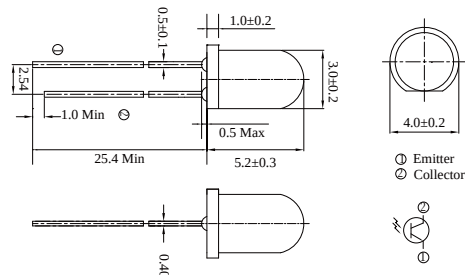


Product	Size (LxWxHmm)	Fiber Coupling Output Power_Max (dBm)	Fiber Coupling Output Power_Min (dBm)	Operation Voltage (V)	Plastic Holder	Trans - mission Speed (Mb/s)	L/F Thicknes (mm)
PLT133/T10W	9.7x13.5x10	-15	-21	3~5	Yes	16	0.4

Optical Sensors | Ambient Light Sensor | Analog



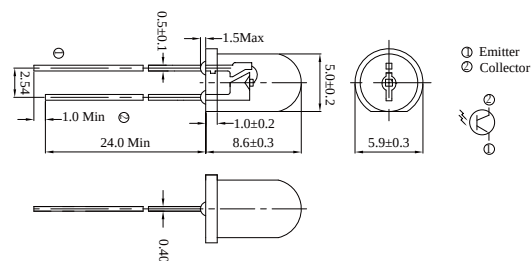
UNIT : mm



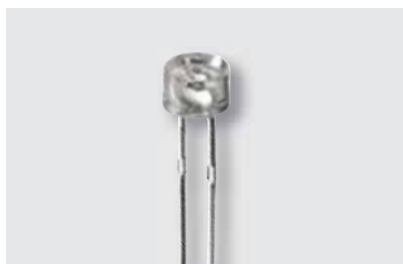
Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (uA)	Rise / Fall Time (μs)
ALS-PT204-6C/L177	3	2.5~5.5	630	370~670	15~100	0.1	110 / 120



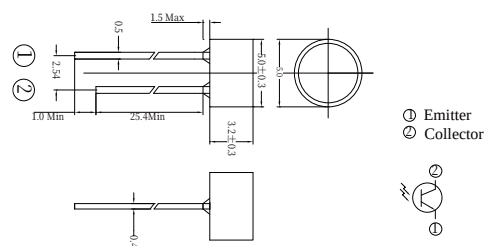
UNIT : mm



Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (uA)	Rise / Fall Time (μs)
ALS-PT333-3C/L177	5	2.5~5.5	560	390~700	90~160	0.1	80 / 90

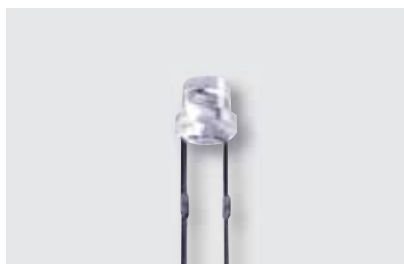


UNIT : mm

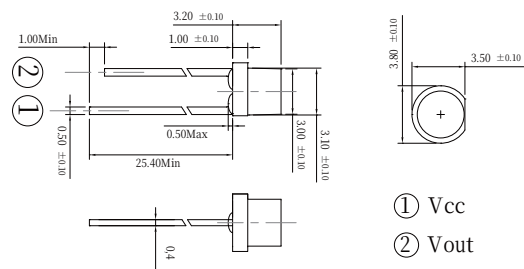


Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (uA)	Rise / Fall Time (μs)
ALS-PT243-3C/L177	5	2.5~5.5	630	390~700	10	0.1	110 / 220

Optical Sensors | Ambient Light Sensor | Analog



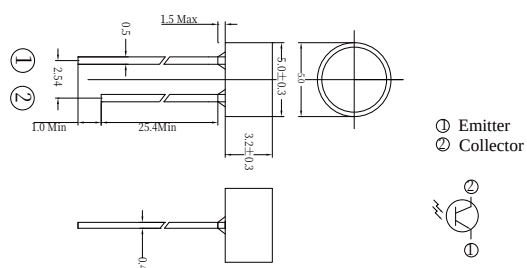
UNIT : mm



Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC144-6C/L378	3	1.8~5.5	550	390~700	33	0.1	360 / 1130



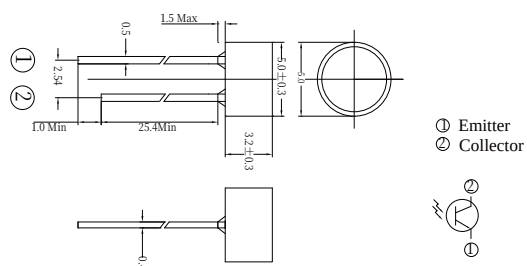
UNIT : mm



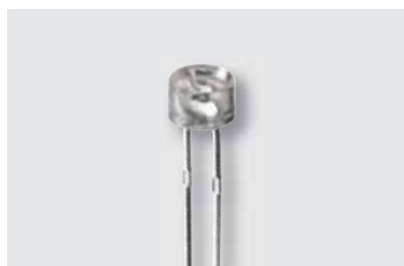
Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC243-3B	5	1.8~5.5	560	390~700	10~35	0.1	360 / 1130



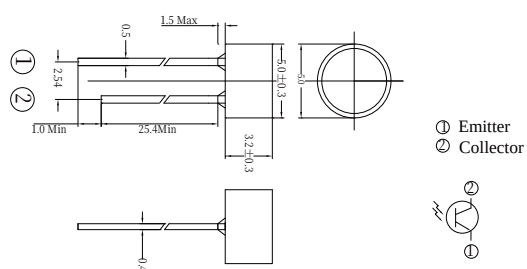
UNIT : mm



Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC243-3B/L525	5	1.8~5.5	560	390~700	5~15	0.1	360 / 1130



UNIT : mm

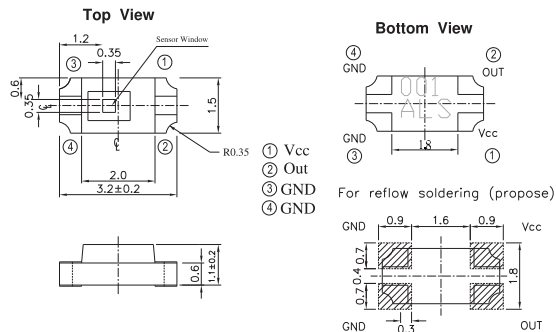


Product	Size (mm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC243-3C	5	1.8~5.5	560	390~700	24~48	0.1	360 / 1130

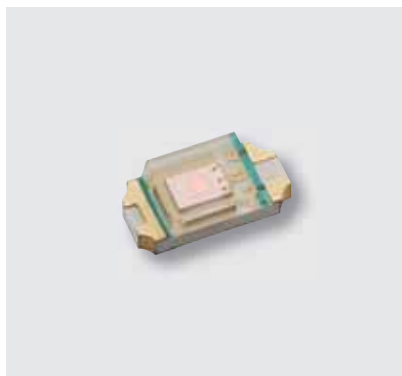
Optical Sensors | Ambient Light Sensor | Analog



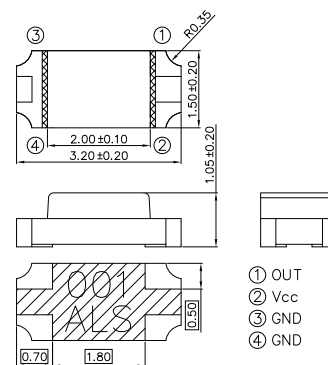
UNIT : mm



Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) Ev=100lux	I _b _Max (μA)	Rise / Fall Time (μs)
ALS-PDIC15-21B/TR8	3.2x1.5x1.1	1.8~5.5	550	390~700	7.5	0.1	11 / 400



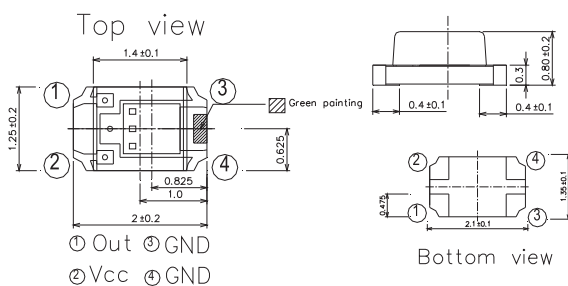
UNIT : mm



Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) Ev=100lux	I _b _Max (μA)	Rise / Fall Time (μs)
ALS-PDIC15-21C/L230/TR8	3.2x1.5x1.1	2.5~5.5	590	390~700	36~95	0.1	360 / 1130

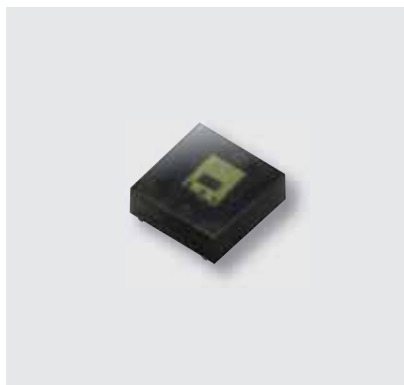


UNIT : mm

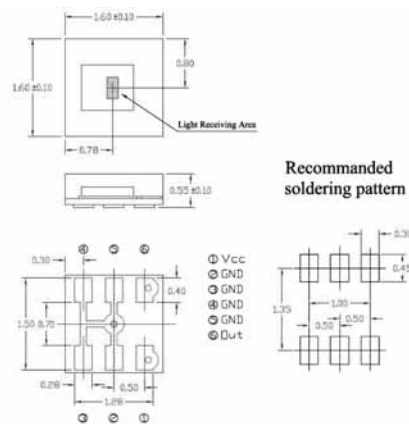


Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (uA) Ev=100lux	I _b _Max (μA)	Rise / Fall Time (μs)
ALS-PDIC17-55C/TR8	2x1.25x0.8	1.8~5.5	590	390~700	27~54	0.1	360 / 1130

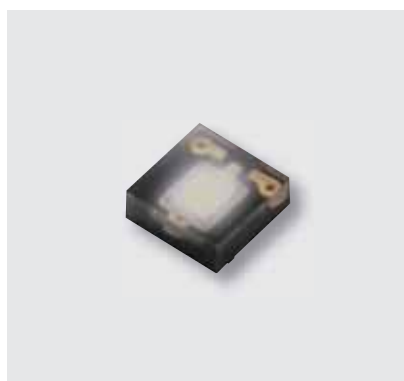
Optical Sensors | Ambient Light Sensor | Analog



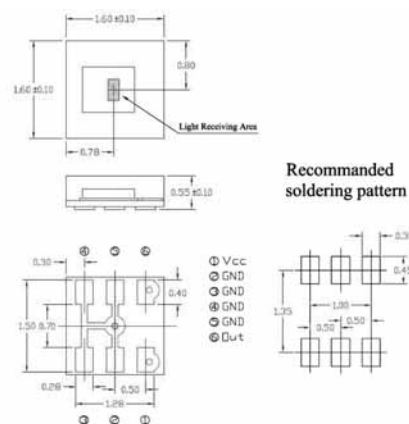
UNIT : mm



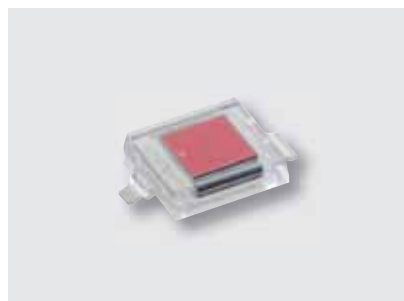
Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC17-77B/TR8	1.6x1.6x0.55	1.8~5.5	580	390~700	60	0.1	75 / 200



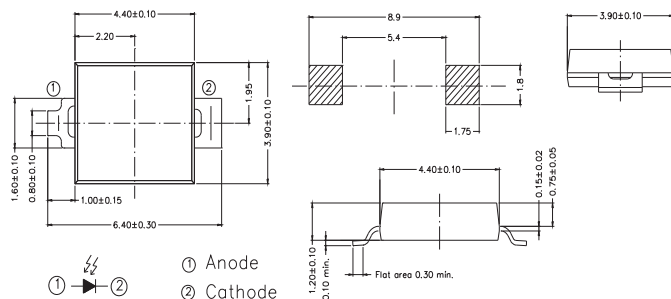
UNIT : mm



Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PDIC17-77C/TR8	1.6x1.6x0.55	1.8~5.5	550	390~700	40	0.1	11 / 400



UNIT : mm

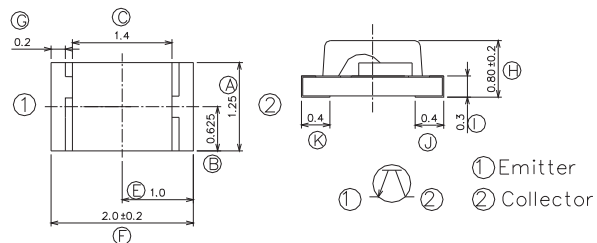


Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PD70-01C/TR7	4.4x3.9x1.2	2.5~5.5	630	390~700	1.1	0.01	-- / --

Optical Sensors | Ambient Light Sensor | Analog



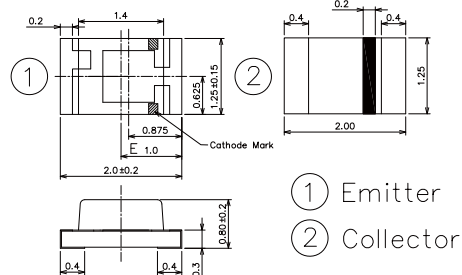
UNIT : mm



Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PT17-51C/L177/TR8	2x1.25x0.8	2.5~5.5	630	390~700	15	0.1	110 / 220



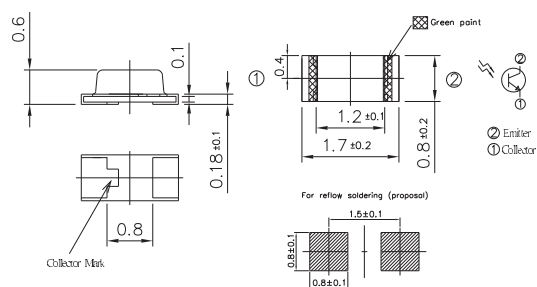
UNIT : mm



Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=50\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PT17-51NB/L369/TR8	2x1.25x0.8	1.8~5.5	580	400~700	5.5	0.1	130 / 150



UNIT : mm

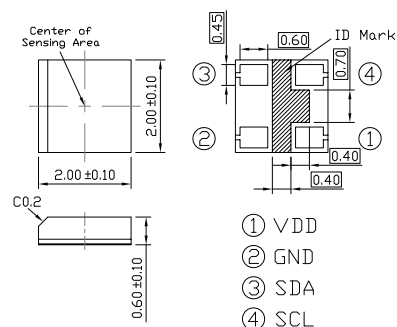


Product	Size (LxWxHmm)	Supply Voltage (V)	Sensitivity λ_p (nm)	Range λ (nm)	Light current (μA) $E_v=100\text{lux}$	I_{D_Max} (μA)	Rise / Fall Time (μs)
ALS-PT19-315C/L177/TR8	1.7x0.8x0.6	2.5~5.5	630	390~700	15	0.1	110 / 220

Optical Sensors | Ambient Light Sensor | Digital



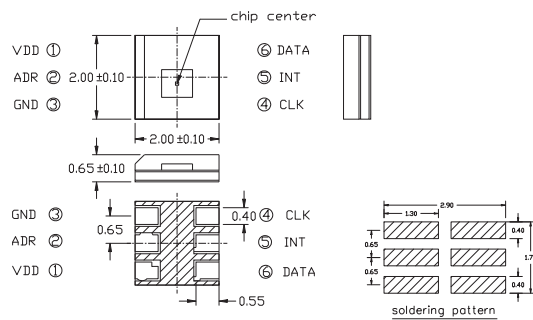
UNIT : mm



Product	Size (LxWxHmm)	Resolution (bit)	Interface	Peak sensitivity (nm)	Detection range (lux)
ALS-PDIC17-57B/TR8	2x2x0.6	15	I ² C	580	88,000



UNIT : mm

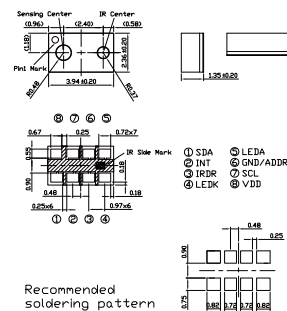


Product	Size (LxWxHmm)	Resolution (bit)	Interface	Peak sensitivity (nm)	Detection range (lux)
ALS-PDIC17-79NB/TR8	2x2x0.65	15	I ² C	550	88,000

Optical Sensors | Proximity Sensor | Digital



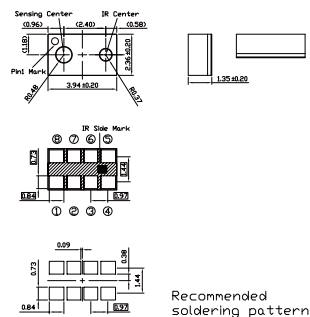
UNIT : mm



Product	Size (LxWxHmm)	Resolution (bit)	Interface	Ambient Light Detection range (lux)	IR LED Driving current (mA)
APM-12D23-20-DF8/TR8	3.94x2.36x1.35	12/8	I ² C	0.012~800	100 / 200

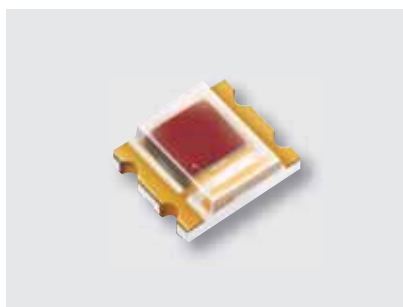


UNIT : mm

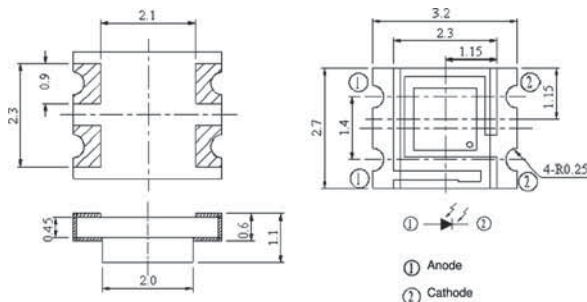


Product	Size (LxWxHmm)	Resolution (bit)	Interface	Ambient Light Detection range (lux)	IR LED Driving current (mA)
APM-16D18-00-DF8/TR8	3.94x2.36x1.35	16/10~16	I ² C	0.08~42949	12.5 / 25 / 37.5 / 50 / 62.5 / 75 / 87.5 / 100 / 112.5 / 125

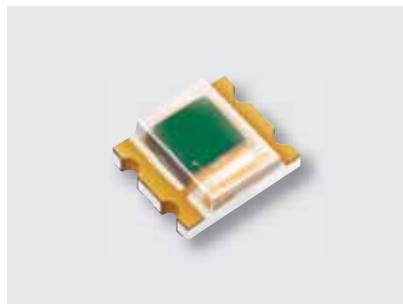
Optical Sensors | RGB Color Sensor | Single Color Sensor (Analog)



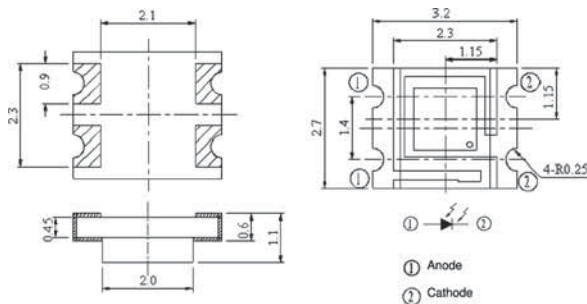
UNIT : mm



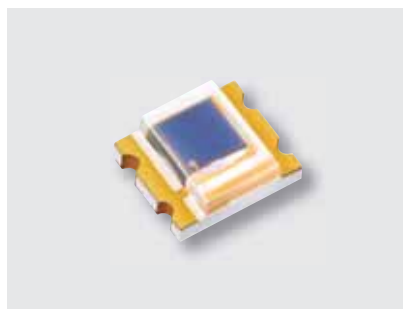
Product	Size (LxWxHmm)	Sensitivity λ_P (nm)	V_F (V)	Revers light current (Ee=100lux) / $IL^{(1)}$ (μA)	Revers light current (Ee=1000lux) $IL^{(2)}$ (μA)
CLS15-22C/L213R/TR8	3.2x2.7x1.1	620	0.5~1.3	0.091	0.83



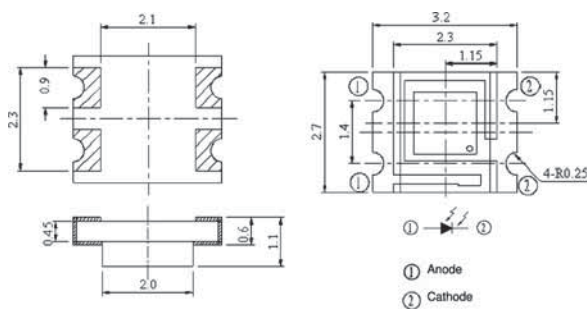
UNIT : mm



Product	Size (LxWxHmm)	Sensitivity λ_P (nm)	V_F (V)	Revers light current (Ee=100lux) / $IL^{(1)}$ (μA)	Revers light current (Ee=1000lux) $IL^{(2)}$ (μA)
CLS15-22C/L213G/TR8	3.2x2.7x1.1	550	0.5~1.3	0.082	0.72



UNIT : mm

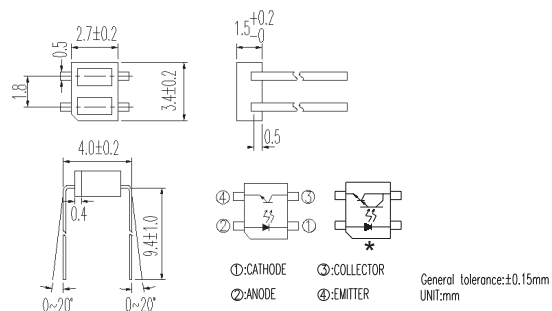


Product	Size (LxWxHmm)	Sensitivity λ_P (nm)	V_F (V)	Revers light current (Ee=100lux) / $IL^{(1)}$ (μA)	Revers light current (Ee=1000lux) $IL^{(2)}$ (μA)
CLS15-22C/L213B/TR8	3.2x2.7x1.1	470	0.5~1.3	0.046	0.39

Optical Sensors | Reflective Sensor



UNIT : mm

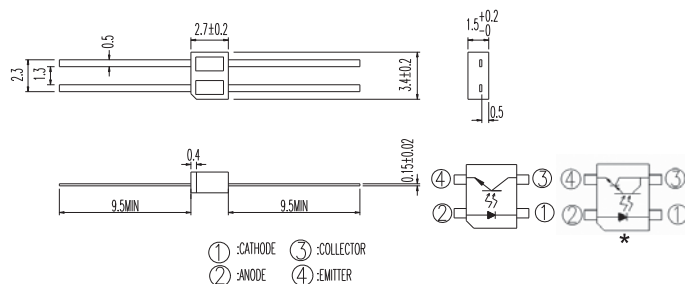


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR8307/F43	3.4x2.7x1.5	1.2	1.6	0.4	0.1	100
*ITR8307/L24/F43	3.4x2.7x1.5	1.2	1.4	--	0.5	1000

Star mark * : Please refer to the schematic of Pin configuration with " * " mark.



UNIT : mm

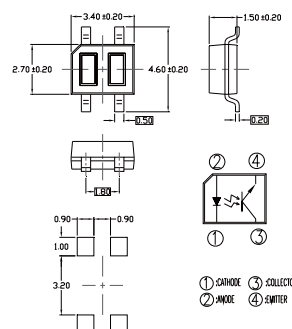


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR8307	3.4x2.7x1.5	1.2	1.6	0.4	0.1	100
*ITR8307/L24	3.4x2.7x1.5	1.2	1.4	--	0.5	1000

Star mark * : Please refer to the schematic of Pin configuration with " * " mark.



UNIT : mm

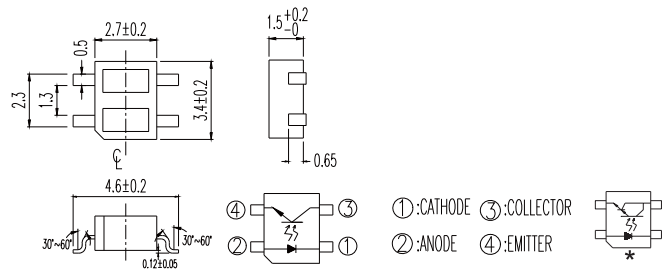


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR1201SR10AR/TR	4.6x3.4x1.5	1.2	1.4	--	0.6	1000

Optical Sensors | Reflective Sensor



UNIT : mm

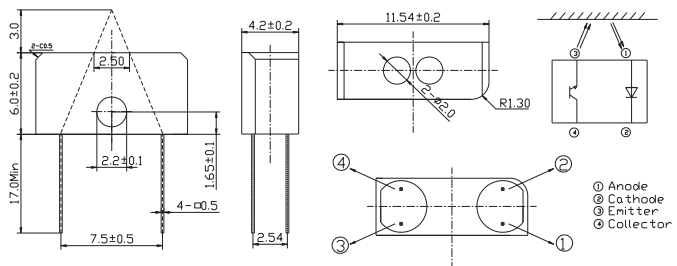


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
*ITR8307/L24/TR8	3.4x2.7x1.5	1.2	1.4	--	0.5	1000
ITR8307/TR8	3.4x2.7x1.5	1.2	1.6	0.4	0.1	100

Star mark * : Please refer to the schematic of Pin configuration with "★" mark.



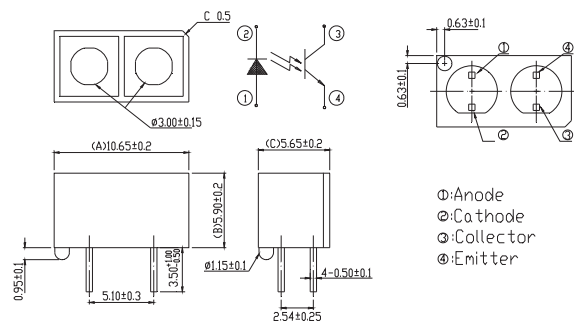
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR9904	11.54x4.2x6	1.2	1.5	0.4	0.1	100



UNIT : mm

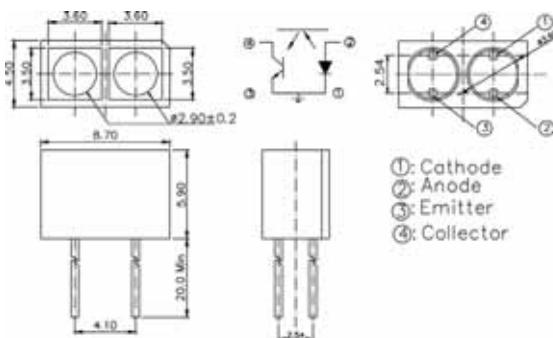


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR9908	10.65x5.65x5.9	1.2	1.5	0.4	0.5	100

Optical Sensors | Reflective Sensor



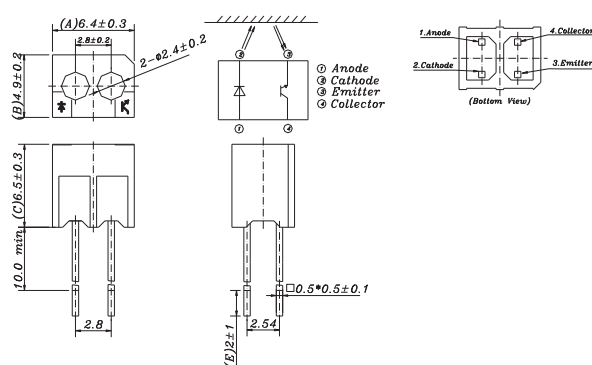
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR9909	8.7x4.5x5.9	1.2	1.5	0.4	0.2	100



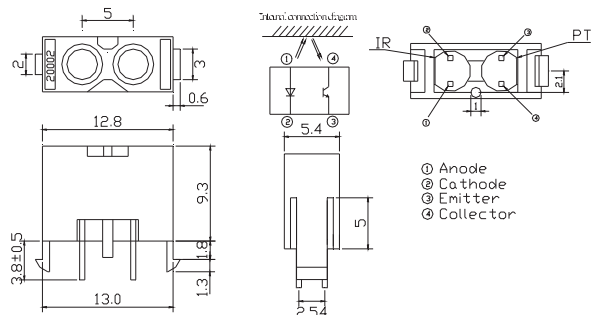
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR20001/T	6.4x4.9x6.5	1.2	1.5	0.4	0.2	100

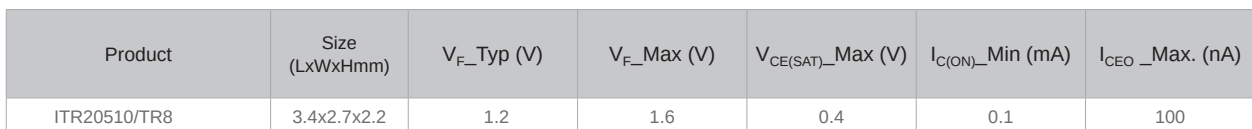
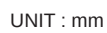
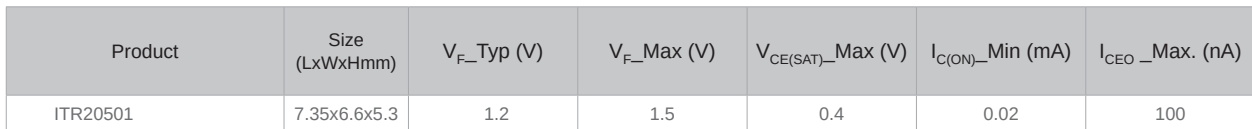
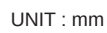


UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)
ITR20002	12.8x5.4x9.3	1.2	1.5	0.4	0.04	100

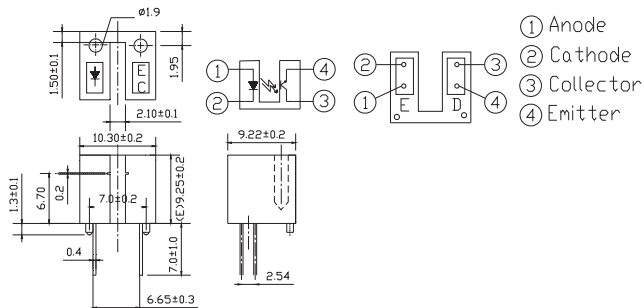
Optical Sensors



Optical Sensors I Transmissive Sensor



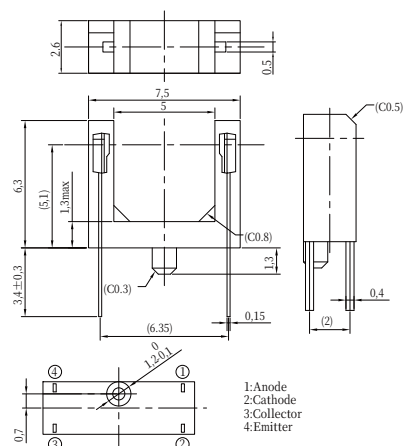
UNIT : mm



Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR8010	10.3x9.22x9.25	1.2	1.5	0.4	0.9	100	2.1



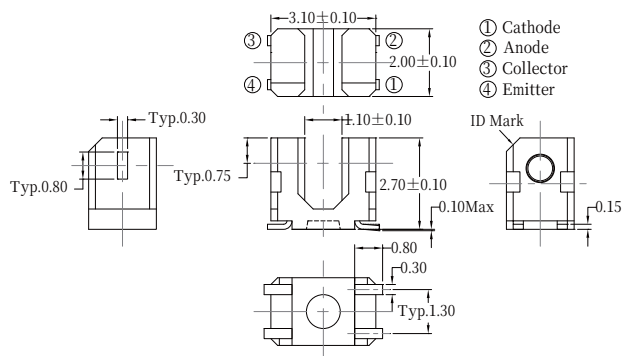
UNIT : mm



Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR1203DT50A/TB	7.5x2.6x6.3	1.18	1.4	0.4	0.25	100	5



UNIT : mm

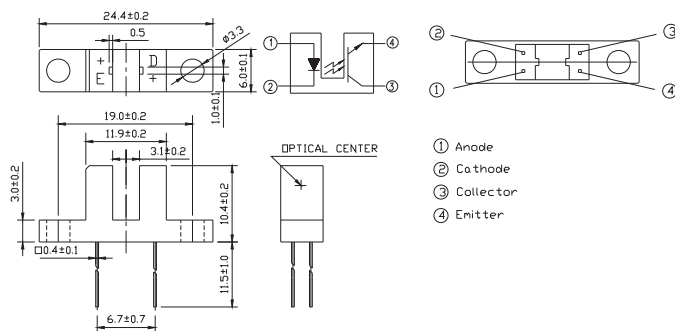


Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR1205ST11A/TR	3.1x2x2.7	1.2	1.4	0.4	0.15	100	1.1

Optical Sensors I Transmissive Sensor



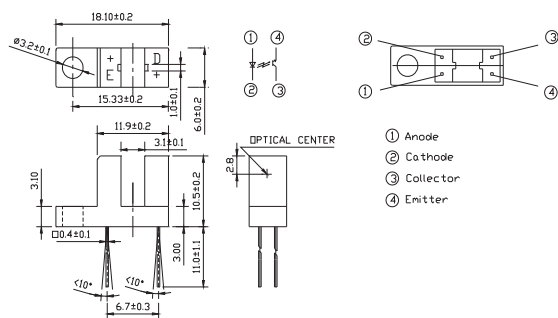
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR8102	24.4x6x10.4	1.2	1.5	0.4	0.9	100	3



UNIT : mm

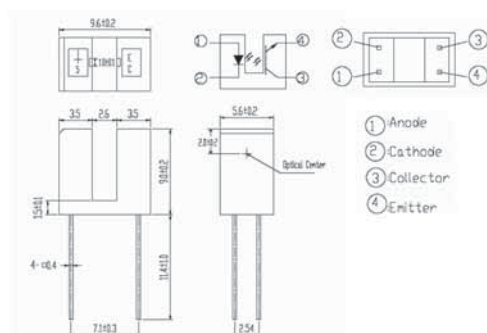


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR8104	18.1x6x10.5	1.2	1.5	0.4	0.9	100	3

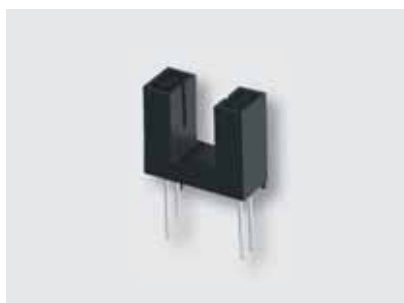
Optical Sensors I Transmissive Sensor



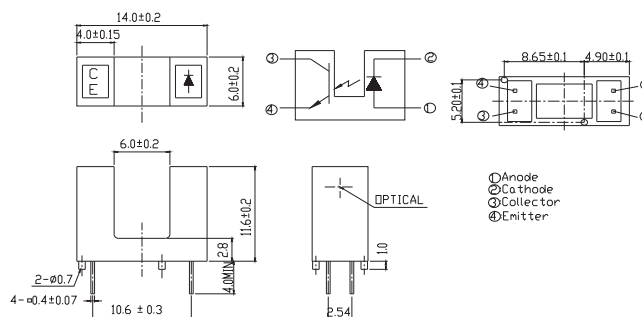
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR8105	9.6x5.6x9	1.2	1.6	0.4	1	100	2.6



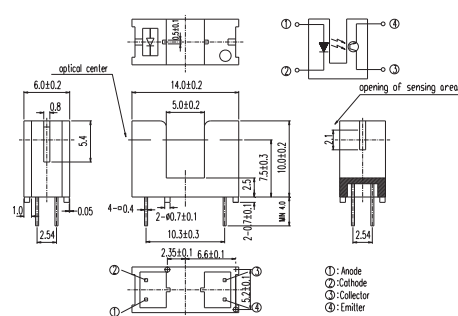
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR8402-F-A	14.0x6x11.6	1.2	1.5	0.4	0.5	100	6



UNIT : mm

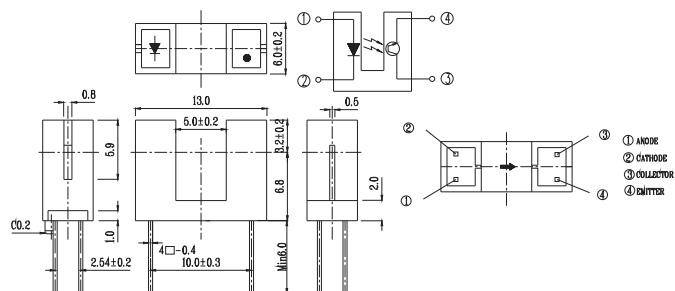


Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR9606-F	14x6x10	1.2	1.5	0.4	0.5	100	5

Optical Sensors I Transmissive Sensor



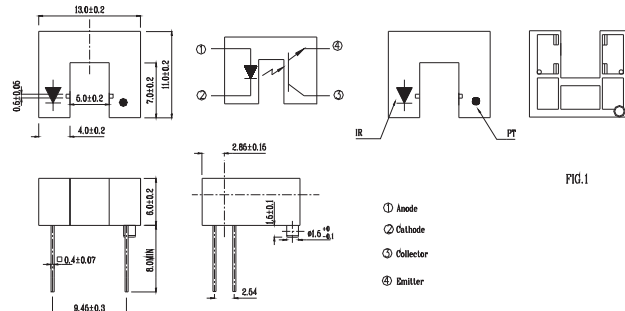
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR9608-F	13x6x10	1.2	1.5	0.4	0.5	100	5



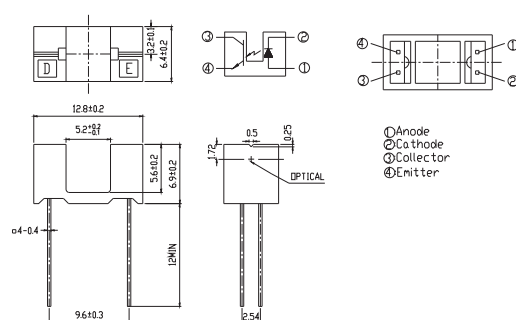
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR9702-F	13x11x6	1.2	1.5	0.4	0.5	100	4

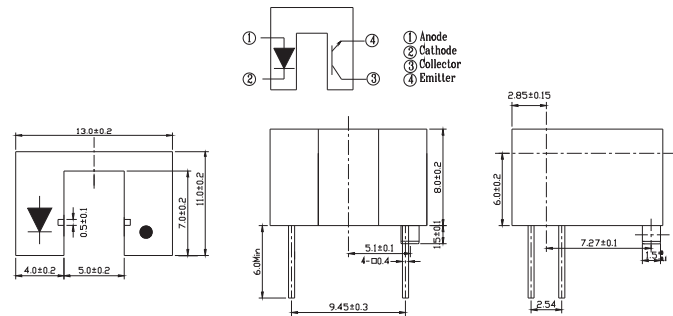


UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	V _{F_Max} (V)	V _{CE(SAT)_Max} (V)	I _{C(ON)_Min} (mA)	I _{CEO_Max.} (nA)	Gap Distance (mm)
ITR9707	12.8x6.4x6.9	1.2	1.5	0.4	0.5	100	5.2

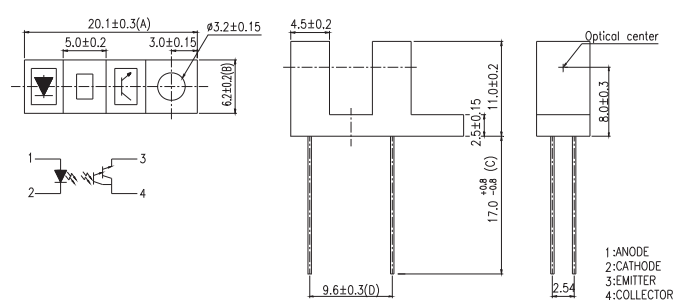
UNIT : mm



100



UNIT : mm



Optical Sensors

Technical drawing of the collector assembly. The drawing includes a front view on the left and a side view on the right. Dimensions are provided in millimeters (mm) with tolerances. Labels include IR, PT, and a legend for Cathode, Collector, and Cathode.

Front View Dimensions:

- Top width: 12.95 ± 0.15
- Top left height: 6.35 ± 0.1
- Top right height: 10.5 ± 0.15
- Bottom left height: 7.75 ± 0.1
- Bottom right height: 7.92 ± 0.3
- Right side height: 4.5 ± 0.6
- Internal width: 2.8 ± 0.1
- Internal height: 2.00 ± 0.1

Side View Dimensions:

- Top width: 23.75 ± 0.3
- Top right height: 5.85 ± 0.1
- Bottom right height: 5.25 ± 0.1
- Bottom right height: 5.6 ± 0.1
- Bottom width: 25.4 ± 0.2

Labels and Legend:

- IR: Internal Resistor
- PT: Potentiometer
- Legend:
 - Cathode
 - Collector
 - Cathode

Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR20005-F	23.7x13x10.5	1.2	1.5	0.4	0.6	100	3.8



Figure 1 shows the dimensions and structure of the micro-LED chip. The top view shows a square chip with dimensions 4.20 mm by 4.00 mm. The side view shows a chip with a thickness of 0.6 mm and a mounting pad diameter of 2.85 mm. The cross-section A-A' shows the chip structure with a 0.5 mm gap and a 2-φ0.75 hole. A legend identifies the components: 1: Anode, 2: Cathode, 3: Collector, 4: Emitter.

Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR20402	4.2x4x4	1.2	1.6	0.4	0.3	100	1.2



Technical drawings of the cathode structure for a vacuum tube. The drawings include a top view, a side view, a cross-section A-A', and a detailed view of the cathode assembly. Dimensions are given in millimeters.

Top View: Shows a central gap of 3 ± 0.2 mm and a total width of 6.4 ± 0.2 mm. The gap is labeled "Gap" and "Optical center".

Side View: Shows a height of 4.20 mm.

Cross-section A-A': Shows a total height of 5.40 mm and a base width of 5.00 mm. The gap is labeled "Gap" and "Optical center". The base width is labeled "5.00".

Detailed View: Shows the cathode assembly with dimensions: 1.20 mm, 2.50 mm, 0.45 mm, 0.40 mm, 0.80 mm, 2.26 mm, 0.40 mm, and 2.54 mm. The cathode is labeled "C0.7".

Legend:

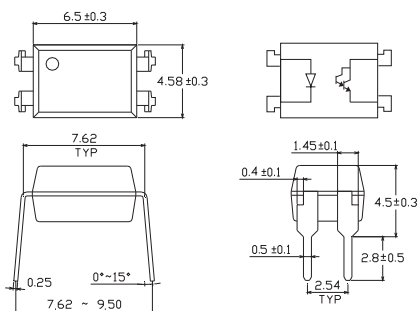
- Cathode
- Anode
- Collector
- Emitter

Product	Size (LxWxHmm)	V _F _Typ (V)	V _F _Max (V)	V _{CE(SAT)} _Max (V)	I _{C(ON)} _Min (mA)	I _{CEO} _Max. (nA)	Gap Distance (mm)
ITR20403	6.4x4.2x5.4	1.2	1.6	0.4	0.2	100	3

Photo Coupler I Darlington Transistor I 4Pin DIP-DC



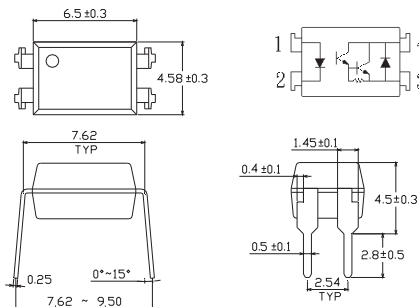
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
EL815	6.5x4.58x3.5	1.2	60 / 53	35	600~7500	5000	1



UNIT : mm

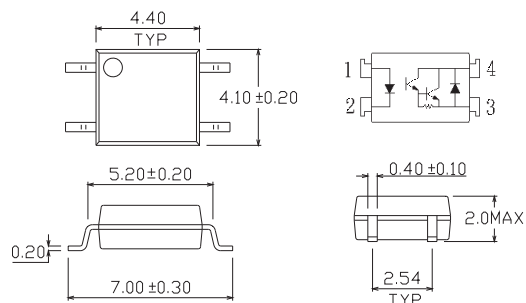


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
EL852	6.5x4.58x3.5	1.2	300 / 100	350	1000~15000	5000	1.2

Photo Coupler I Darlington Transistor I 4Pin SOP-DC



UNIT : mm

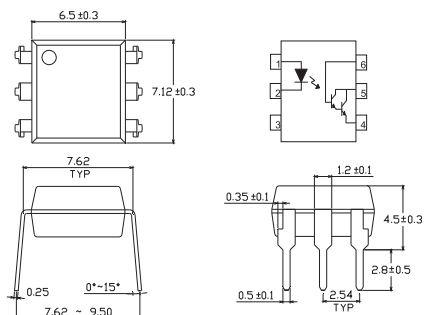


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
EL452-G	4.4x4.1x2	1.2	300 / 100	350	1000 min.	3750	1.5

Photo Coupler I Darlington Transistor I 6Pin DIP-DC



UNIT : mm

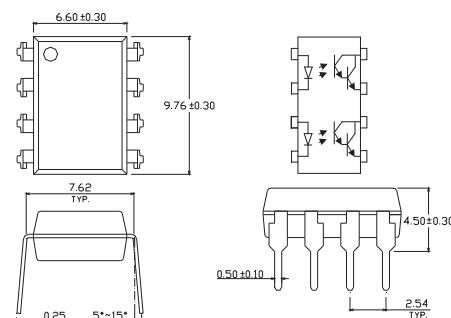


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
4N29	7.12x6.5x3.5	1.2	5 / 40	55	100 min.	5000	1
4N30	7.12x6.5x3.5	1.2	5 / 40	55	100 min.	5000	1
4N31	7.12x6.5x3.5	1.2	5 / 40	55	50 min.	5000	1.2
4N32	7.12x6.5x3.5	1.2	5 / 100	55	500 min.	5000	1
4N33	7.12x6.5x3.5	1.2	5 / 100	55	500 min.	5000	1
H11B1	7.12x6.5x3.5	1.2	25 / 18	55	500 min.	5000	1
H11B2	7.12x6.5x3.5	1.2	25 / 18	55	200 min.	5000	1
H11B3	7.12x6.5x3.5	1.2	25 / 18	55	100 min.	5000	1
H11B255	7.12x6.5x3.5	1.2	25 / 18	55	100 min.	5000	1
TIL113	7.12x6.5x3.5	1.2	5 / 100	55	300 min.	5000	1.2

Photo Coupler I Darlington Transistor I 8Pin DIP-DC



UNIT : mm

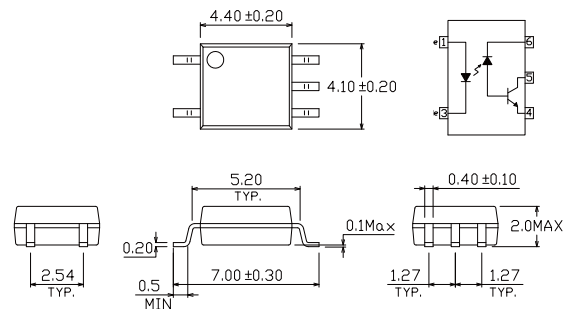


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
EL825	9.76x6.6x3.5	1.2	60 / 53	40	600~7500	5000	1

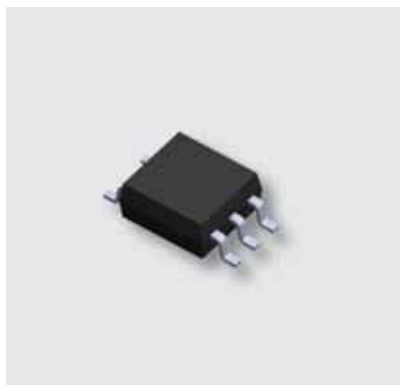
Photo Coupler ■ High Speed ■ 5Pin SOP



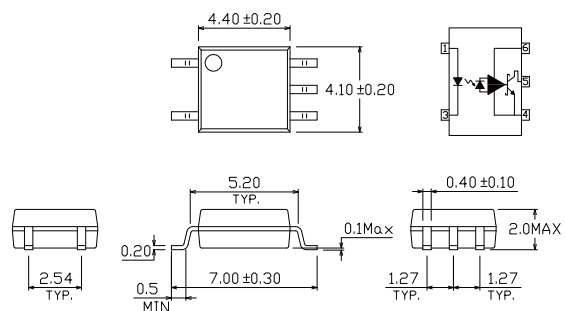
UNIT : mm



Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
ELM452	4.4×4.1×2	800 / 800	30 max.	20~50	3750	5000	8 max.
ELM453	4.4×4.1×2	800 / 800	30 max.	20~50	3750	15000	8 max.
ELM453L	4.4×4.1×2	800 / 800	30	20~50	3750	15000	8 max.



UNIT : mm

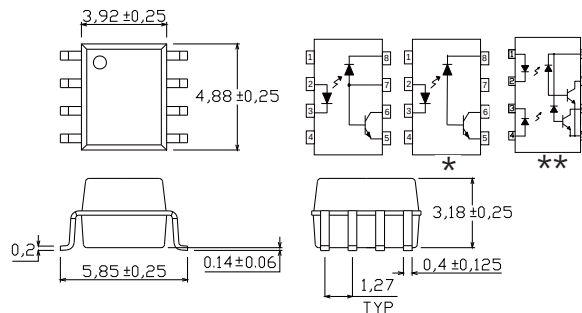


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	I _{FT} (mA)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
ELM600	4.4×4.1×2	100 / 100	7 max.	5	3750	-	50 max.
ELM601	4.4×4.1×2	100 / 100	7 max.	5	3750	5000	50 max.
ELM611	4.4×4.1×2	100 / 100	7 max.	5	3750	20000	50 max.

Photo Coupler | High Speed | 8Pin SOP



UNIT : mm

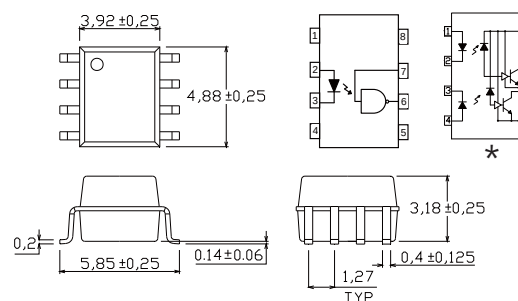


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
*EL0452	4.88x3.92x3.18	1000 / 1000	30 max.	19~50	3750	1000	8 max.
*EL0453	4.88x3.92x3.18	1000 / 1000	30 max.	19~50	3750	15000	8 max.
EL0500	4.88x3.92x3.18	2000 / 2000	30 max.	7~50	3750	1000	8 max.
EL0501	4.88x3.92x3.18	1000 / 1000	30 max.	19~50	3750	1000	8 max.
EL050L	4.88x3.92x3.18	800 / 800	30 max.	20~50	3750	15000	8 max.
**EL0530	4.88x3.92x3.18	2000 / 2000	30 max.	7~50	3750	1000	8 max.
**EL0531	4.88x3.92x3.18	1000 / 1000	30 max.	19~50	3750	1000	8 max.

Star mark * : Please refer to the schematic of Pin configuration with " * " " * " mark



UNIT : mm



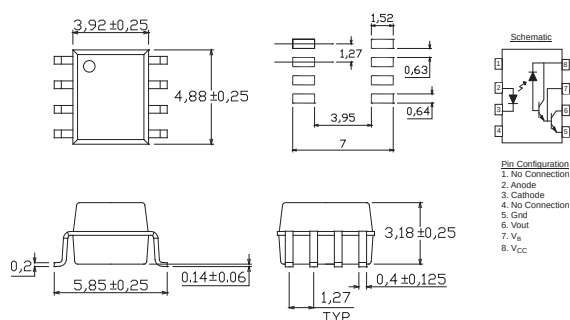
Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	I _{FT} (mA)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
EL0600	4.88x3.92x3.18	75 / 75	7 max.	5	3750	--	50 max.
EL0601	4.88x3.92x3.18	75 / 75	7 max.	5	3750	5000	50 max.
EL0611	4.88x3.92x3.18	75 / 75	7 max.	5	3750	10000	50 max.
EL060L	4.88x3.92x3.18	75 / 75	7 max.	5	3750	10000	50 max.
*EL0630	4.88x3.92x3.18	100 / 100	7 max.	5	3750	5000	50 max.
*EL0631	4.88x3.92x3.18	100 / 100	7 max.	5	3750	10000	50 max.

Star mark * : Please refer to the schematic of Pin configuration with " * " " * " mark

Photo Coupler ■ High Speed ■ 8Pin SOP



UNIT : mm

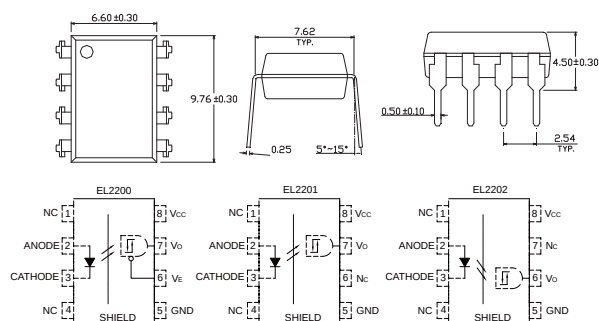


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
EL0700	4.88 x 3.92 x 3.18	3000 / 8000	7	2000 typ.	3750	1000	60 max
EL0701	4.88 x 3.92 x 3.18	11000 / 20000	18	2500 typ.	3750	1000	60 max

Photo Coupler ■ High Speed ■ 8Pin SOP



UNIT : mm

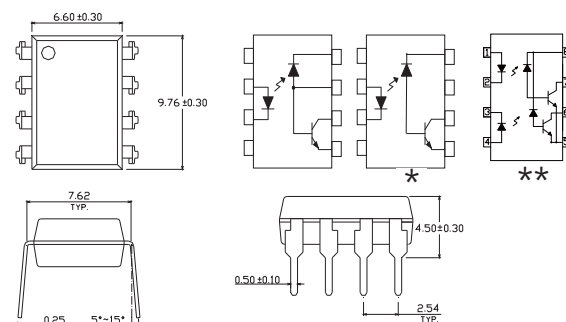


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	I _{FT} (mA)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
EL2200	9.76×6.6×3.5	300 / 300	20 max	1.6	5000	1000	25 max
EL2201	9.76×6.6×3.5	300 / 300	20 max	1.6	5000	1000	25 max
EL2202	9.76×6.6×3.5	300 / 300	20 max	1.6	5000	1000	25 max

Photo Coupler ■ High Speed ■ 8Pin DIP



UNIT : mm

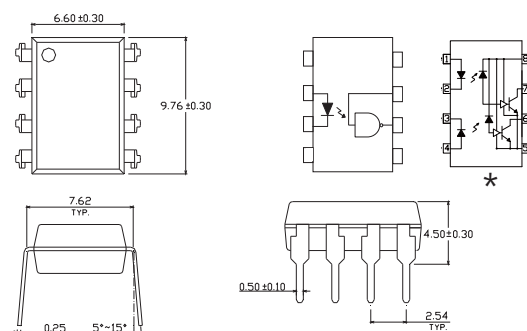


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
6N135	9.76x6.6x3.5	2000 / 2000	30 max.	7~50	5000	1000	8 max.
6N136	9.76x6.6x3.5	1000 / 1000	30 max.	19~50	5000	1000	8 max.
EL250L	9.76x6.6x3.5	1000 / 1000	30 max.	15~50	5000	15000	8 max.
*EL4502	9.76x6.6x3.5	1000 / 1000	30 max.	19~50	5000	1000	8 max.
*EL4503	9.76x6.6x3.5	1000 / 1000	30 max.	19~50	5000	15000	8 max.
*EL4504	9.76x6.6x3.5	400 / 400	30 max.	25~60	5000	15000	8 max.
**EL2530	9.76x6.6x3.5	2000 / 2000	30 max.	7~50	5000	1000	8 max.
**EL2531	9.76x6.6x3.5	1000 / 1000	30 max.	19~50	5000	1000	8 max.

Star mark * : Please refer to the schematic of Pin configuration with " * " " ** " mark



UNIT : mm



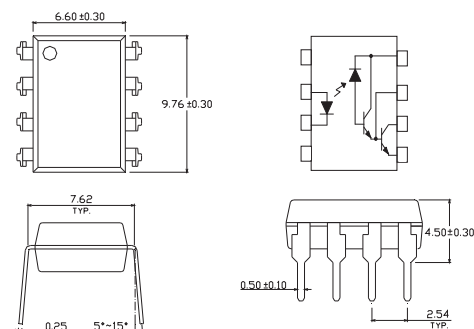
Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	I _{FT} (mA)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
6N137	9.76x6.6x3.5	75 / 75	7 max.	5	5000	-	50 max.
EL2601	9.76x6.6x3.5	75 / 75	7 max.	5	5000	5000	50 max.
EL2611	9.76x6.6x3.5	75 / 75	7 max.	5	5000	10000	50 max.
EL260L	9.76x6.6x3.5	75 / 75	7 max.	5	5000	10000	50 max.
*EL2630	9.76x6.6x3.5	100 / 100	7 max.	5	5000	5000	50 max.
*EL2631	9.76x6.6x3.5	100 / 100	7 max.	5	5000	10000	50 max.

Star mark * : Please refer to the schematic of Pin configuration with " * " mark

Photo Coupler ■ High Speed ■ 8Pin DIP



UNIT : mm

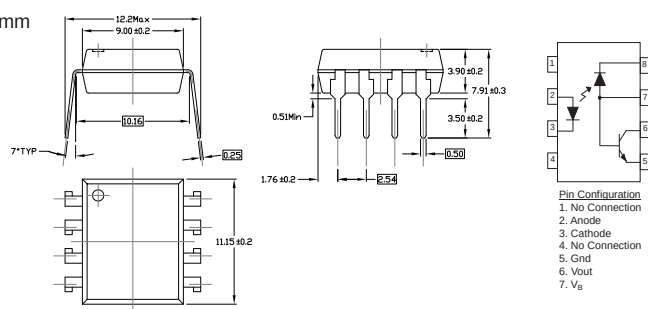


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _o (mA)
6N138	9.76x6.6x3.5	15000 / 50000	7 max.	300 min.	5000	1000	60 max.
6N139	9.76x6.6x3.5	30000 / 90000	18 max.	500 min.	5000	1000	60 max.

Photo Coupler ■ High Speed ■ 8Pin Wide Body DIP



UNIT : mm



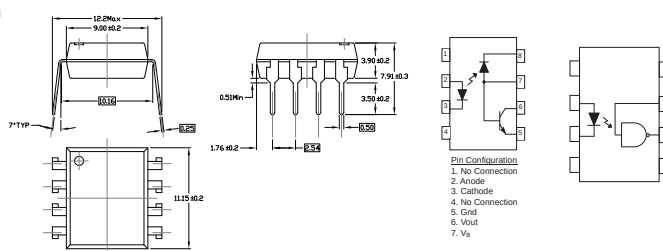
Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	CTR (%)	Viso (V _{rms})	CMR (V/us)	I _o (mA)
ELW135	11.15×9×3.9	2000 / 2000	30 max.	7~50	5000	1000	8 max.
ELW136	11.15×9×3.9	1000 / 1000	30 max.	19~50	5000	1000	8 max.
*ELW4503	11.15×9×3.9	1000 / 1000	30 max.	19~50	5000	15000	8 max.

Star mark * : Please refer to the schematic of Pin configuration with " ★ " mark

Photo Coupler ■ High Speed ■ 8Pin Wide Body DIP



UNIT : mm

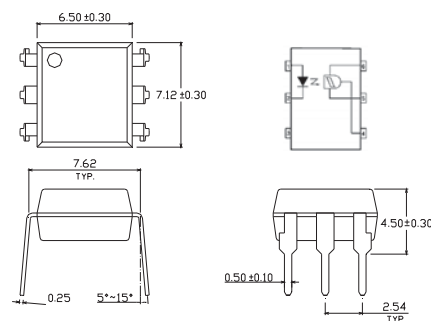


Product	Size (LxWxHmm)	tPHL / tPLH (ns)	Supply Voltage (V)	I _{FT} (mA)	Viso (V _{rms})	CMR (V/us)	I _O (mA)
ELW137	11.15×9×3.9	100 / 100	7 max.	5	5000	-	50 max.
ELW2601	11.15×9×3.9	100 / 100	7 max.	5	5000	5000	50 max.
ELW2611	11.15×9×3.9	100 / 100	7 max.	5	5000	10000	50 max.

Photo Coupler ■ Schmitt Trigger ■ 6Pin DIP



UNIT : mm

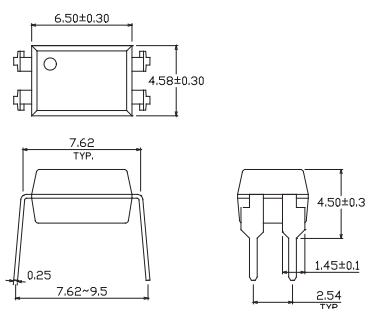


Product	Size (LxWxHmm)	Rise / Fall Time (μs)	Supply Voltage (V)	Viso (V _{rms})	I _{FT} (mA)	I _{CC} _Max (mA)	I _O (mA)
H11L1	7.12x6.5x3.5	0.1 / 0.1	3~15	5000	1.6	5	0.1

Photo Coupler | Transistor | 4Pin DIP-AC



UNIT : mm

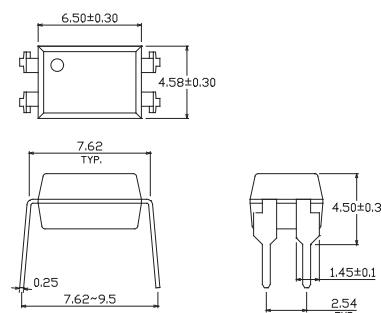


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL814	6.5x4.58x3.5	1.2	7 / 11	80	20~300	5000	0.2

Photo Coupler | Transistor | 4Pin DIP-DC



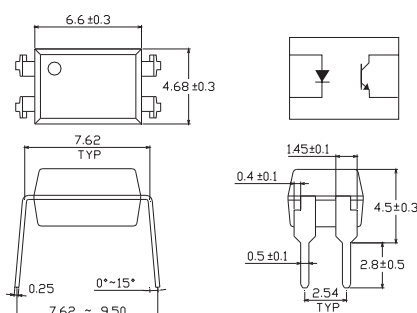
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL816	6.5x4.58x3.5	1.2	4 / 3	80	50~600	5000	0.2
EL817	6.5x4.58x3.5	1.2	4 / 3	35	50~600	5000	0.2
EL817-G	6.5x4.58x3.5	1.2	6 / 8	80	50~600	5000	0.2
EL851	6.5x4.58x3.5	1.2	4 / 5	350	50~600	5000	0.4
EL8171	6.5x4.58x3.5	1.2	6 / 8	70	100~300	5000	0.2



UNIT : mm

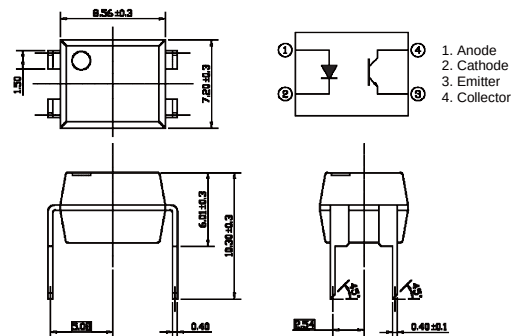


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL617	6.6x4.68x3.5	1.2	4 / 3	80	50~600	5000	0.2

Photo Coupler | Transistor | 4Pin High Isolation



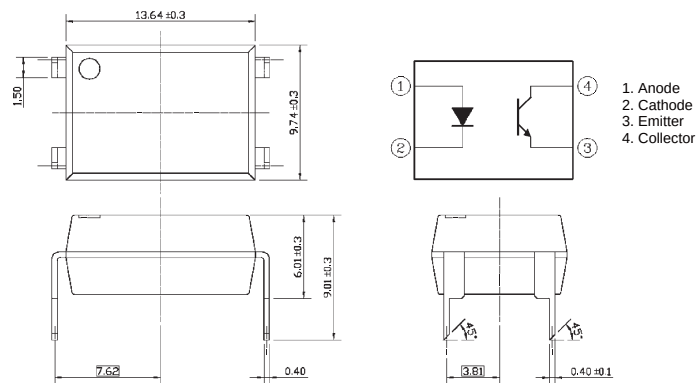
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
CNY64	8.56x7.2x6.01	1.6	3 / 5	80	50~300	8200	0.3



UNIT : mm

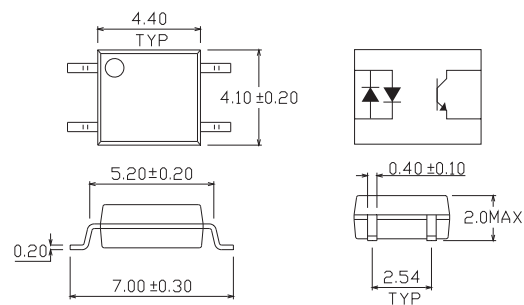


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
CNY65	13.64x9.74x6.01	1.6	3 / 5	80	50~300	10000	0.3

Photo Coupler | Transistor | 4Pin SOP-AC



UNIT : mm

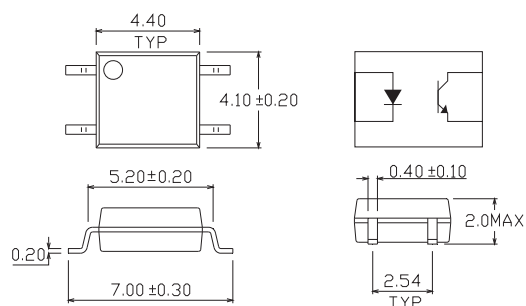


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL354N-G	4.4x4.1x2	1.2	6 / 8	80	20~300	3750	0.2

Photo Coupler | Transistor | 4Pin SOP-DC



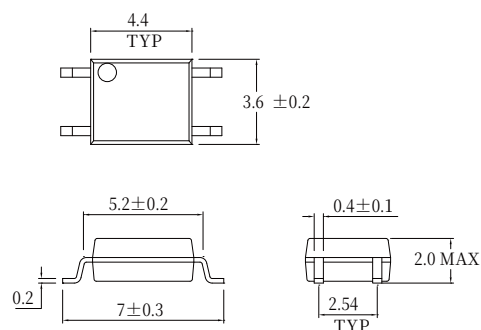
UNIT : mm



Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL357N-G	4.4x4.1x2	1.2	3 / 4	80	50~600	3750	0.2



UNIT : mm

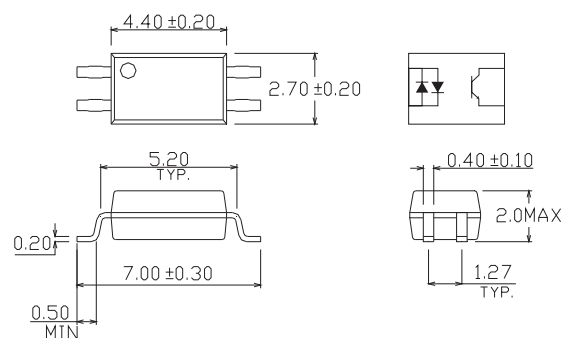


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL121N	4.4x3.6x2	1.2	3 / 4	80	50~600	3750	0.2

Photo Coupler | Transistor | 4Pin SSOP-AC

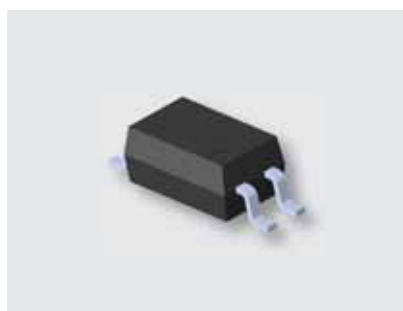


UNIT : mm

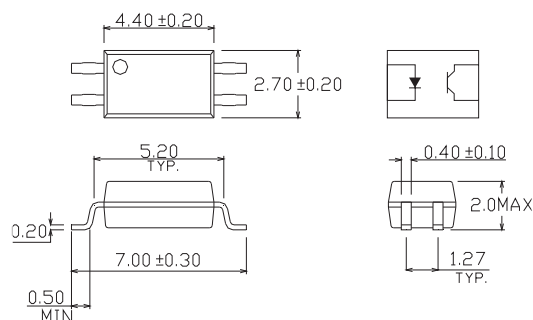


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL3H4-G	4.4x2.7x2	1.2	6 / 8	80	20~300	3750	0.2

Photo Coupler | Transistor | 4Pin SSOP-DC



UNIT : mm

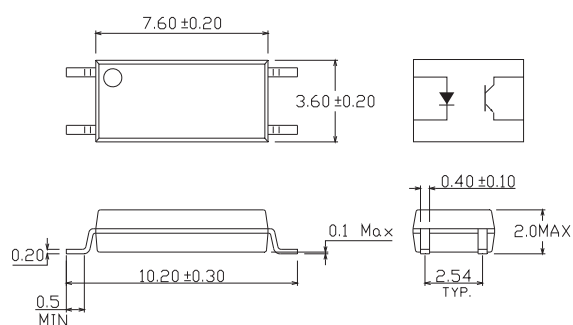


Product	Size (LxWxHmm)	V_F _Typ (V)	Rise / Fall Time (μ s)	BV_{CEO} Min (V)	CTR (%)	Viso (V_{rms})	$V_{CE(SAT)}$ Max (V)
EL3H7-G	4.4x2.7x2	1.2	5 / 3	80	50~600	3750	0.2

Photo Coupler | Transistor | 4Pin Long Creepage



UNIT : mm

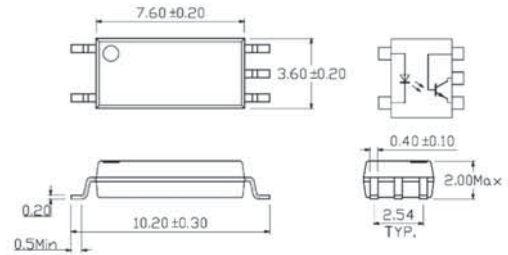


Product	Size (LxWxHmm)	V_F _Typ (V)	Rise / Fall Time (μ s)	BV_{CEO} Min (V)	CTR (%)	Viso (V_{rms})	$V_{CE(SAT)}$ Max (V)
EL1010-G	7.6x3.6x2	1.45	2 / 3	80	50~600	5000	0.3
EL1012-G	7.6x3.6x2	1.45	2 / 3	80	63~125	5000	0.3
EL1013-G	7.6x3.6x2	1.45	2 / 3	80	100~200	5000	0.3
EL1014-G	7.6x3.6x2	1.45	2 / 3	80	160~320	5000	0.3
EL1017-G	7.6x3.6x2	1.45	2 / 3	80	80~160	5000	0.3
EL1018-G	7.6x3.6x2	1.45	2 / 3	80	130~260	5000	0.3
EL1019-G	7.6x3.6x2	1.45	2 / 3	80	200~400	5000	0.3

Photo Coupler ■ Transistor ■ 5Pin Long Creepage



UNIT : mm

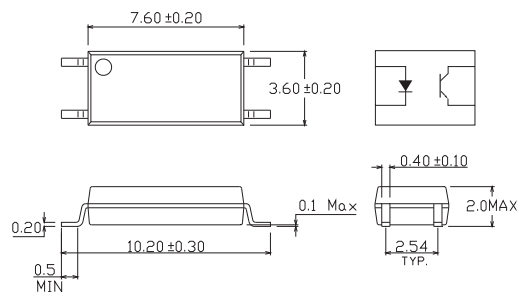


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL1110-G	7.6x3.6x2	1.45	2 / 3	80	50~600	5000	0.4
EL1112-G	7.6x3.6x2	1.45	2 / 3	80	63~125	5000	0.4
EL1113-G	7.6x3.6x2	1.45	2 / 3	80	100~200	5000	0.4
EL1114-G	7.6x3.6x2	1.45	2 / 3	80	160~320	5000	0.4
EL1116-G	7.6x3.6x2	1.45	2 / 3	80	100~300	5000	0.4
EL1117-G	7.6x3.6x2	1.45	2 / 3	80	80~160	5000	0.4
EL1118-G	7.6x3.6x2	1.45	2 / 3	80	130~260	5000	0.4
EL1119-G	7.6x3.6x2	1.45	2 / 3	80	200~400	5000	0.4

Photo Coupler ■ Low Input Current Transistor ■ 5 Pin Long Creepage



UNIT : mm

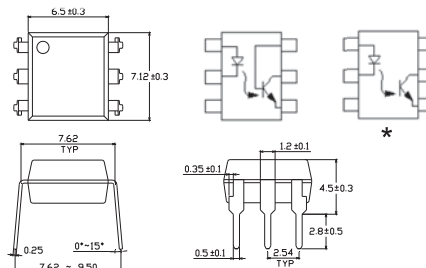


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL357L	7.6x3.6x2	1.45	3.5 / 5	80	63~300	5000	0.4
EL357L(A)	7.6x3.6x2	1.45	3.5 / 5	80	63~125	5000	0.4
EL357L(B)	7.6x3.6x2	1.45	3.5 / 5	80	100~200	5000	0.4
EL357L(C)	7.6x3.6x2	1.45	3.5 / 5	80	150~300	5000	0.4

Photo Coupler | Transistor | 6Pin DIP-DC



UNIT : mm



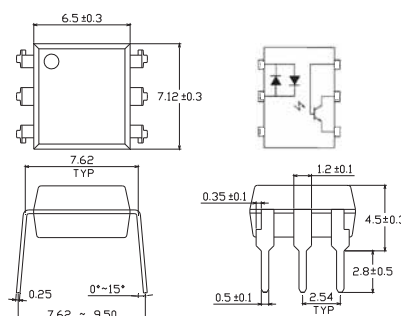
Product	Size (LxWxHmm)	V _F _Typ (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
4N25	7.12x6.5x3.5	1.2	3 / 3	80	20 min.	5000	0.5
4N26	7.12x6.5x3.5	1.2	3 / 3	80	20 min.	5000	0.5
4N27	7.12x6.5x3.5	1.2	3 / 3	80	10 min.	5000	0.5
4N28	7.12x6.5x3.5	1.2	3 / 3	80	10 min.	5000	0.5
4N35	7.12x6.5x3.5	1.2	10 / 9	80	100 min.	5000	0.3
4N36	7.12x6.5x3.5	1.2	10 / 9	80	100 min.	5000	0.3
4N37	7.12x6.5x3.5	1.2	10 / 9	80	100 min.	5000	0.3
4N38	7.12x6.5x3.5	1.2	10 / 9	80	20 min.	5000	1
CNY17-1	7.12x6.5x3.5	--	6 / 8	80	40~80	5000	0.3
CNY17-2	7.12x6.5x3.5	--	6 / 8	80	63~125	5000	0.3
CNY17-3	7.12x6.5x3.5	--	6 / 8	80	100~200	5000	0.3
CNY17-4	7.12x6.5x3.5	--	6 / 8	80	160~320	5000	0.3
*CNY17F-1	7.12x6.5x3.5	--	6 / 8	80	40~80	5000	0.3
*CNY17F-2	7.12x6.5x3.5	--	6 / 8	80	63~125	5000	0.3
*CNY17F-3	7.12x6.5x3.5	--	6 / 8	80	100~200	5000	0.3
*CNY17F-4	7.12x6.5x3.5	--	6 / 8	80	160~320	5000	0.3
H11A1	7.12x6.5x3.5	1.2	3 / 3	80	50 min.	5000	0.4
H11A2	7.12x6.5x3.5	1.2	3 / 3	80	20 min.	5000	0.4
H11A3	7.12x6.5x3.5	1.2	3 / 3	80	20 min.	5000	0.4
H11A4	7.12x6.5x3.5	1.2	3 / 3	80	10 min.	5000	0.4
H11A5	7.12x6.5x3.5	1.2	3 / 3	80	30 min.	5000	0.4
MCT2E	7.12x6.5x3.5	1.23	3 / 3	80	20 min.	5000	0.4
TIL111	7.12x6.5x3.5	1.22	6 / 8	80	--	5000	0.4
TIL117	7.12x6.5x3.5	--	6 / 8	80	50 min.	5000	0.4

Star mark * : Please refer to the schematic of Pin configuration with "★" mark

Photo Coupler I Transistor I 6Pin DIP-AC



UNIT : mm

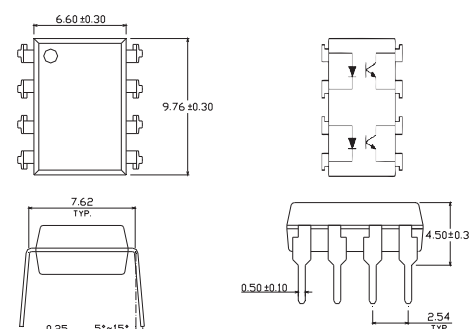


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
H11AA1	7.12x6.5x3.5	1.2	10 / 10	80	20 min.	5000	0.4
H11AA2	7.12x6.5x3.5	1.2	10 / 10	80	10 min.	5000	0.4
H11AA3	7.12x6.5x3.5	1.2	10 / 10	80	50 min.	5000	0.4
H11AA4	7.12x6.5x3.5	1.2	10 / 10	80	100 min.	5000	0.4

Photo Coupler I Transistor I 8Pin DIP-DC

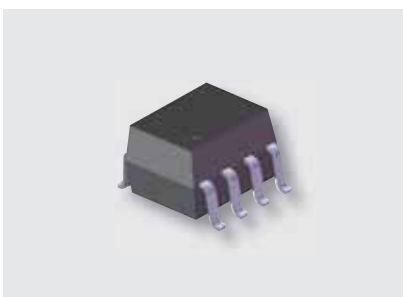


UNIT : mm

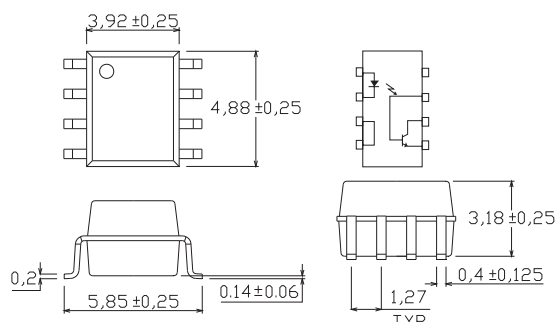


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL827	9.76x6.5x3.5	1.2	3 / 4	80	50~600	5000	0.2

Photo Coupler I Transistor I 8Pin SOP-DC

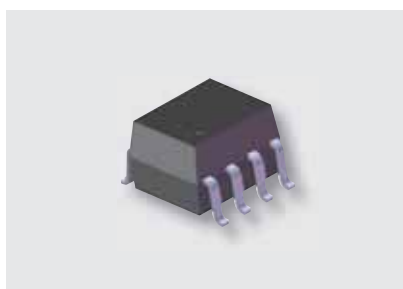


UNIT : mm

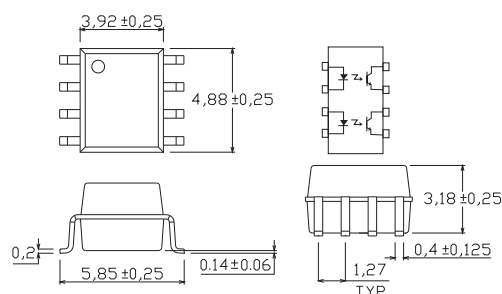


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO} Min (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)} Max (V)
EL205	4.88x3.92x3.18	1.3	1.6 / 2.2	80	40~80	3750	0.4
EL206	4.88x3.92x3.18	1.3	1.6 / 2.2	80	63~125	3750	0.4
EL207	4.88x3.92x3.18	1.3	1.6 / 2.2	80	100~200	3750	0.4
EL208	4.88x3.92x3.18	1.3	1.6 / 2.2	80	160~320	3750	0.4
EL211	4.88x3.92x3.18	1.3	1.6 / 2.2	80	20 min.	3750	0.4
EL212	4.88x3.92x3.18	1.3	1.6 / 2.2	80	50 min.	3750	0.4
EL213	4.88x3.92x3.18	1.3	1.6 / 2.2	80	100 min.	3750	0.4
EL215	4.88x3.92x3.18	1.3	1.6 / 2.2	80	10 min.	3750	0.4
EL216	4.88x3.92x3.18	1.3	1.6 / 2.2	80	50 min.	3750	0.4
EL217	4.88x3.92x3.18	1.3	1.6 / 2.2	80	100 min.	3750	0.4

Photo Coupler | Transistor | 8Pin SSOP-DC



UNIT : mm

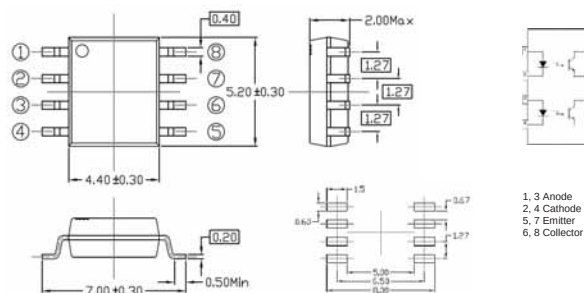


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
ELD205	4.88x3.92x3.18	1.2	1.6 / 2.2	80	40~80	3750	0.4
ELD206	4.88x3.92x3.18	1.2	1.6 / 2.2	80	63~125	3750	0.4
ELD207	4.88x3.92x3.18	1.2	1.6 / 2.2	80	100~200	3750	0.4
ELD211	4.88x3.92x3.18	1.2	1.6 / 2.2	80	20 min.	3750	0.4
ELD213	4.88x3.92x3.18	1.2	1.6 / 2.2	80	100 min.	3750	0.4
ELD217	4.88x3.92x3.18	1.2	1.6 / 2.2	80	100 min.	3750	0.4

Photo Coupler | Transistor | 8Pin SSOP-DC



UNIT : mm

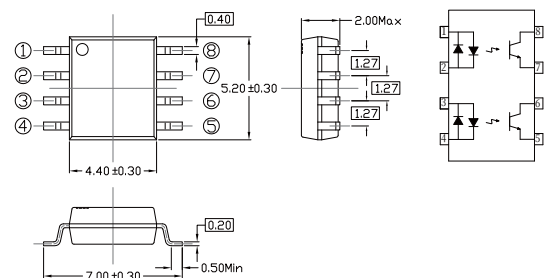


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
ELD3H7	5.2x4.4x2	1.2	5 / 3	80	50~600	3750	0.2

Photo Coupler | Transistor | 8Pin SSOP-AC



UNIT : mm

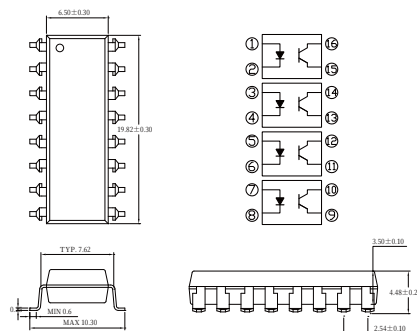


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
ELD3H4	5.2x4.4x2	1.2	6 / 8	80	20~300	3750	0.2

Photo Coupler I Transistor I 16Pin DIP-DC



UNIT : mm

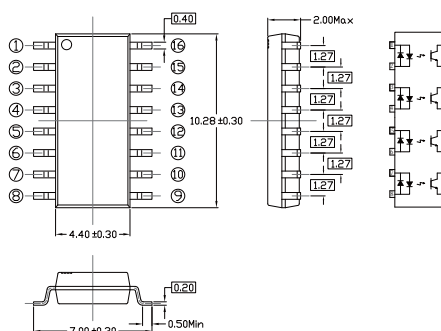


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
EL847	19.82×6.5×3.5	1.2	4 / 3	80	50~600	5000	0.2

Photo Coupler I Transistor I 16Pin SSOP-AC



UNIT : mm

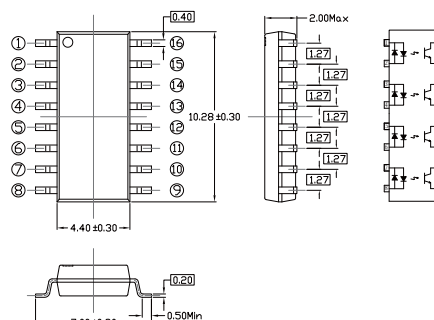


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
ELQ3H4	10.28×4.4×2	1.2	6 / 8	80	20~300	3750	0.2

Photo Coupler I Transistor I 16Pin SSOP-DC



UNIT : mm

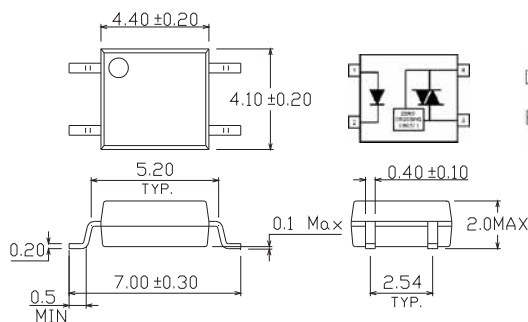


Product	Size (LxWxHmm)	V _{F_Typ} (V)	Rise / Fall Time (μs)	BV _{CEO_Min} (V)	CTR (%)	Viso (V _{rms})	V _{CE(SAT)_Max} (V)
ELQ3H7	10.28×4.4×2	1.2	5 / 3	80	50~600	3750	0.2

Photo Coupler | Triac | 4Pin SOP



UNIT : mm



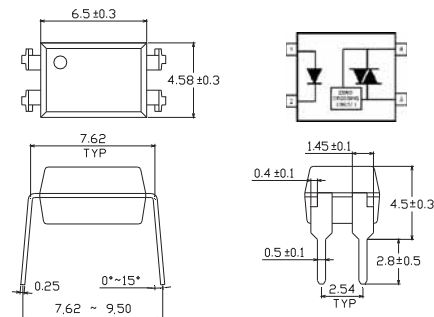
Product	Size (LxWxHmm)	V_{TM} (V)	V_{INH} (V)	V_{DRM} (V)	V_{F_Max} (V)	V_{ISO} (V_{rms})	I_{FT} (mA)
ELM3042	4.4x4.1x2	3	20	400	1.5	3750	10
ELM3043	4.4x4.1x2	3	20	400	1.5	3750	5
ELM3044	4.4x4.1x2	3	20	400	1.5	3750	3
ELM3062	4.4x4.1x2	3	20	600	1.5	3750	10
ELM3063	4.4x4.1x2	3	20	600	1.5	3750	5
ELM3064	4.4x4.1x2	3	20	600	1.5	3750	3
ELM3082	4.4x4.1x2	3	20	800	1.5	3750	10
ELM3083	4.4x4.1x2	3	20	800	1.5	3750	5
ELM3084	4.4x4.1x2	3	20	800	1.5	3750	3
*ELM3022	4.4x4.1x2	2.5	--	400	1.2	3750	10
*ELM3023	4.4x4.1x2	2.5	--	400	1.2	3750	5
*ELM3024	4.4x4.1x2	2.5	--	400	1.2	3750	3
*ELM3052	4.4x4.1x2	2.5	--	600	1.2	3750	10
*ELM3053	4.4x4.1x2	2.5	--	600	1.2	3750	5
*ELM3054	4.4x4.1x2	2.5	--	600	1.2	3750	3

Star mark * : Please refer to the schematic of Pin configuration with " * " mark

Photo Coupler | Triac | 4Pin DIP



UNIT : mm



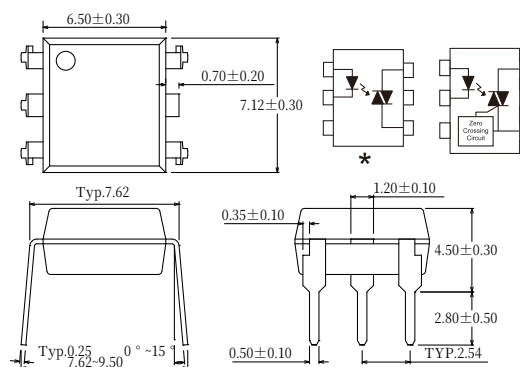
Product	Size (LxWxHmm)	V_{TM} (V)	V_{INH} (V)	V_{DRM} (V)	V_{F_Max} (V)	V_{iso} (V_{rms})	I_{FT} (mA)
ELT3041	6.5×4.58×3.5	3	20	400	1.5	5000	15
ELT3042	6.5×4.58×3.5	3	20	400	1.5	5000	10
ELT3043	6.5×4.58×3.5	3	20	400	1.5	5000	5
ELT3061	6.5×4.58×3.5	3	20	600	1.5	5000	15
ELT3062	6.5×4.58×3.5	3	20	600	1.5	5000	10
ELT3063	6.5×4.58×3.5	3	20	600	1.5	5000	5
ELT3081	6.5×4.58×3.5	3	20	800	1.5	5000	15
ELT3082	6.5×4.58×3.5	3	20	800	1.5	5000	10
ELT3083	6.5×4.58×3.5	3	20	800	1.5	5000	5
*ELT3021	6.5×4.58×3.5	2.5	-	400	1.2	5000	15
*ELT3022	6.5×4.58×3.5	2.5	-	400	1.2	5000	10
*ELT3023	6.5×4.58×3.5	2.5	-	400	1.2	5000	5
*ELT3051	6.5×4.58×3.5	2.5	-	600	1.2	5000	15
*ELT3052	6.5×4.58×3.5	2.5	-	600	1.2	5000	10
*ELT3053	6.5×4.58×3.5	2.5	-	600	1.2	5000	5

Star mark * : Please refer to the schematic of Pin configuration with " * " mark

Photo Coupler | Triac | 5Pin DIP



UNIT : mm

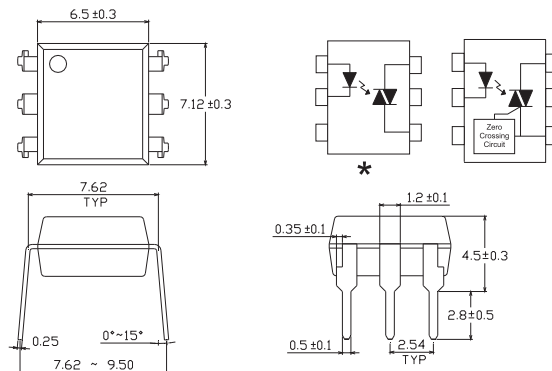


Product	Size (LxWxHmm)	V_{TM} (V)	V_{INH} (V)	V_{DRM} (V)	V_{F_Typ} (V)	V_{iso} (V_{rms})	I_{FT} (mA)
EL3031(P5)	7.12x6.5x3.5	3	20	250	--	5000	15
EL3032(P5)	7.12x6.5x3.5	3	20	250	--	5000	10
EL3033(P5)	7.12x6.5x3.5	3	20	250	--	5000	5
EL3041(P5)	7.12x6.5x3.5	3	20	400	--	5000	15
EL3042(P5)	7.12x6.5x3.5	3	20	400	--	5000	10
EL3043(P5)	7.12x6.5x3.5	3	20	400	--	5000	5
EL3061(P5)	7.12x6.5x3.5	3	20	600	--	5000	15
EL3062(P5)	7.12x6.5x3.5	3	20	600	--	5000	10
EL3063(P5)	7.12x6.5x3.5	3	20	600	--	5000	5
EL3081(P5)	7.12x6.5x3.5	3	20	800	--	5000	15
EL3082(P5)	7.12x6.5x3.5	3	20	800	--	5000	10
EL3083(P5)	7.12x6.5x3.5	3	20	800	--	5000	5
EL3010(P5)	7.12x6.5x3.5	2.5	--	250	1.18	5000	15
EL3011(P5)	7.12x6.5x3.5	2.5	--	250	1.18	5000	10
EL3012(P5)	7.12x6.5x3.5	2.5	--	250	1.18	5000	5
EL3021(P5)	7.12x6.5x3.5	2.5	--	400	1.18	5000	15
EL3022(P5)	7.12x6.5x3.5	2.5	--	400	1.18	5000	10
EL3023(P5)	7.12x6.5x3.5	2.5	--	400	1.18	5000	5
EL3051(P5)	7.12x6.5x3.5	2.5	--	600	1.18	5000	15
EL3052(P5)	7.12x6.5x3.5	2.5	--	600	1.18	5000	10
EL3053(P5)	7.12x6.5x3.5	2.5	--	600	1.18	5000	5

Photo Coupler | Triac | 6Pin DIP



UNIT : mm



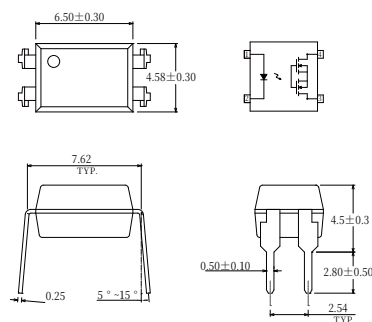
Product	Size (LxWxHmm)	V_{TM} (V)	V_{INH} (V)	V_{DRM} (V)	V_{F_Typ} (V)	V_{iso} (V_{rms})	I_{FT} (mA)
EL3031	7.12x6.5x3.5	3	20	250	--	5000	15
EL3032	7.12x6.5x3.5	3	20	250	--	5000	10
EL3033	7.12x6.5x3.5	3	20	250	--	5000	5
EL3041	7.12x6.5x3.5	3	20	400	--	5000	15
EL3042	7.12x6.5x3.5	3	20	400	--	5000	10
EL3043	7.12x6.5x3.5	3	20	400	--	5000	5
EL3061	7.12x6.5x3.5	3	20	600	--	5000	15
EL3062	7.12x6.5x3.5	3	20	600	--	5000	10
EL3063	7.12x6.5x3.5	3	20	600	--	5000	5
EL3081	7.12x6.5x3.5	3	20	800	--	5000	15
EL3082	7.12x6.5x3.5	3	20	800	--	5000	10
EL3083	7.12x6.5x3.5	3	20	800	--	5000	5
*EL3010	7.12x6.5x3.5	2.5	--	250	1.18	5000	15
*EL3011	7.12x6.5x3.5	2.5	--	250	1.18	5000	10
*EL3012	7.12x6.5x3.5	2.5	--	250	1.18	5000	5
*EL3021	7.12x6.5x3.5	2.5	--	400	1.18	5000	15
*EL3022	7.12x6.5x3.5	2.5	--	400	1.18	5000	10
*EL3023	7.12x6.5x3.5	2.5	--	400	1.18	5000	5
*EL3051	7.12x6.5x3.5	2.5	--	600	1.18	5000	15
*EL3052	7.12x6.5x3.5	2.5	--	600	1.18	5000	10
*EL3053	7.12x6.5x3.5	2.5	--	600	1.18	5000	5

Star mark * : Please refer to the schematic of Pin configuration with " * " mark

Photo Coupler ■ Relay(Solid State Relay) ■ 4Pin DIP



UNIT : mm

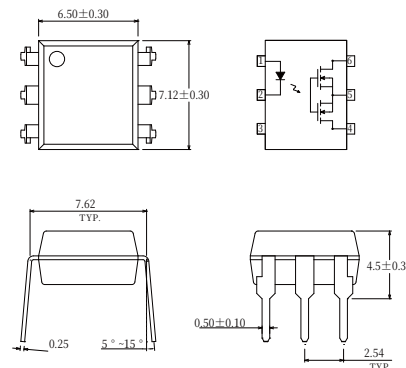


Product	Size (LxWxHmm)	Output type	Load Voltage (V)	Load Current (mA)	Ron Typ.(Ω)	Ifon max. (mA)	Viso (Vrms)
EL406A	6.5×4.58×3.5	Normally Open 1a	60	550	0.7	5	5000
EL425A	6.5×4.58×3.5	Normally Open 1a	250	180	6.5	5	5000
EL440A	6.5×4.58×3.5	Normally Open 1a	400	120	20	5	5000
EL460A	6.5×4.58×3.5	Normally Open 1a	600	50	40	5	5000

Photo Coupler ■ Relay(Solid State Relay) ■ 6Pin DIP



UNIT : mm

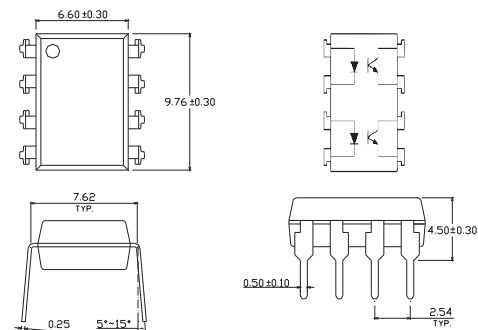


Product	Size (LxWxHmm)	Output type	Load Voltage (V)	Load Current (mA)	Ron Typ.(Ω)	Ifon max. (mA)	Viso (Vrms)
EL606A	7.12×6.5×3.5	Normally Open 1a	60	550	0.7	3	5000
EL625A	7.12×6.5×3.5	Normally Open 1a	250	180	6.5	3	5000
EL640A	7.12×6.5×3.5	Normally Open 1a	400	120	20	3	5000
EL660A	7.12×6.5×3.5	Normally Open 1a	600	50	40	3	5000

Photo Coupler ■ Relay(Solid State Relay) ■ 8Pin DIP



UNIT : mm



Product	Size (LxWxHmm)	Output type	Load Voltage (V)	Load Current (mA)	Ron Typ.(Ω)	Ifon max. (mA)	Viso (Vrms)
EL840A	9.76 x 6.5 x 3.5	Normally Open 2 Form A	400	120	20	5	5000
EL860A	9.76 x 6.5 x 3.5	Normally Open 2 Form A	600	50	40	5	5000

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