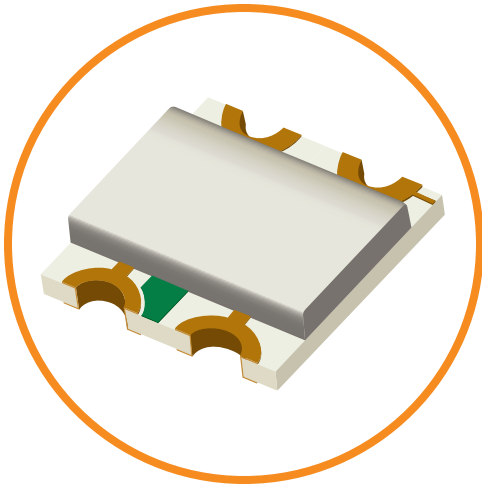
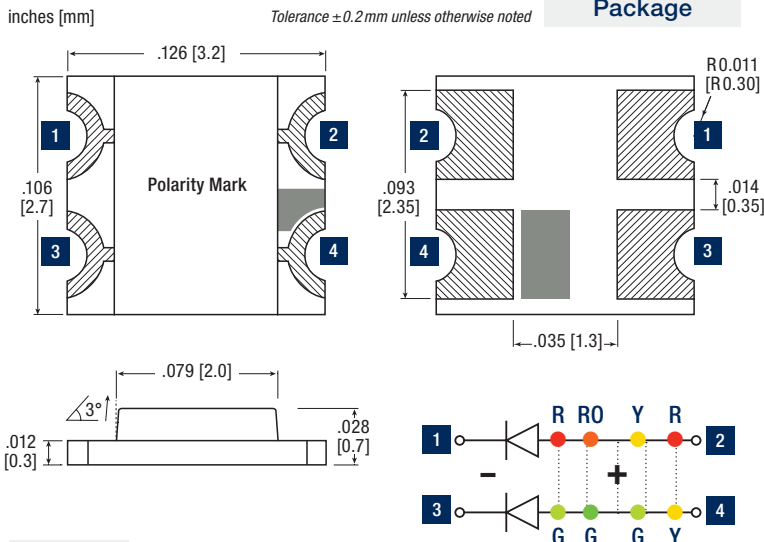


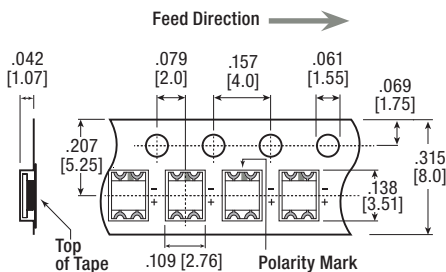


Dimensions



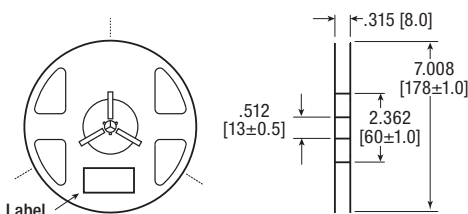
Tape

Tolerance ± 0.1 mm unless otherwise noted



Reel

Tolerance ± 0.1 mm unless otherwise noted



Certifications & Ratings

- RoHS compliant

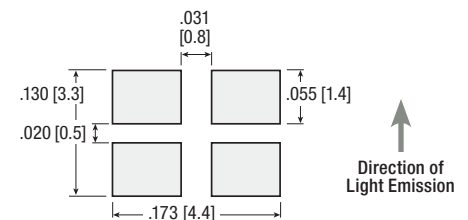
Features & Benefits

- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (3000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

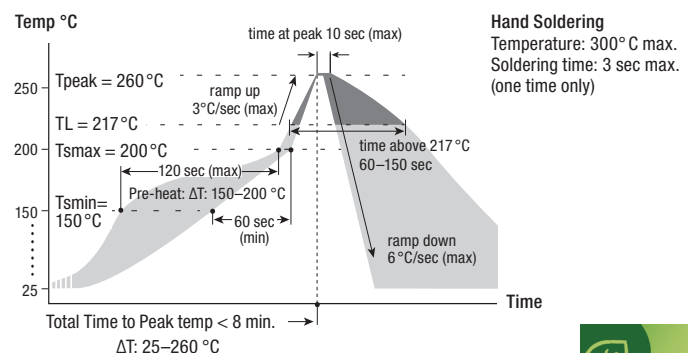
Part Number Guide

Part Number										RoHS Compliant	
5	9	8	-	8	6	X	X	-	2	0	X F
Color										Packaging Option	
Red						1	0			2	20 pieces on tape
Green						2	0			7	7" reel 3000 pcs/reel
Red-Orange						4	0				
Green						6	0				
Yellow											
Green											
Yellow											
Red											

Soldering



Reflow Profile



Hand Soldering
Temperature: 300°C max.
Soldering time: 3 sec max.
(one time only)



Electrical/Optical Characteristics

Electrical/Optical Characteristics					Luminous Intensity			Dominant Wavelength			Forward Voltage			Viewing Angle (°deg.)	Thermal Resistance (°C/W)	Reverse Current Intensity (µA)		
Dialight P/N		Emitted Color	Material	Lens Color	If = 20 ma											Rth(j-s) If=20 ma	(Ir) VR=5V	
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max		Min			Typ
598-8610-202F	598-8610-207F	● Red	AlInGaP	Non-Diffused	40	65	90	630	635	640	1.8	2.1	2.4	140	450	10		
		● Green			30	40	50	565	570	575	1.8	2.1	2.4					
598-8620-202F	598-8620-207F	● Red-Orange	InGaN		90	120	150	600	605	610	1.8	2.1	2.4					
		● Green			260	580	900	520	525	530	3.0	3.2	3.4					
598-8640-202F	598-8640-207F	● Yellow	AlInGaP		80	155	230	585	590	595	1.8	2.1	2.4					
		● Green			30	40	50	565	570	575	1.8	2.1	2.4					
598-8660-202F	598-8660-207F	● Yellow			90	145	200	585	590	595	1.8	2.1	2.4					
		● Red			40	65	90	625	633	640	1.8	2.1	2.4					

Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	● R	● Y	72	● RO	72	● Y	48
	● G	● R	72	● G	102	● G	48
Forward Current (mA)	● Y ● G	20	all others 30				
Reverse Voltage (V)	5						
Operating Temp (°C)	-40 to +100						
Storage Temp (°C)	-40 to +100						
Peak Pulse Fw Current (mA)	60						
Electrostatic Discharge (HBM) (V)	2000						
Junction Temp (°C)	105						

