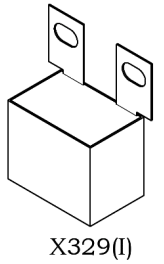
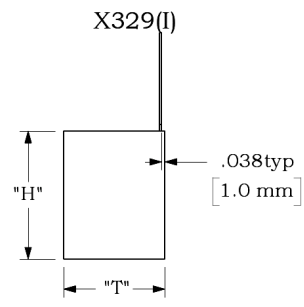
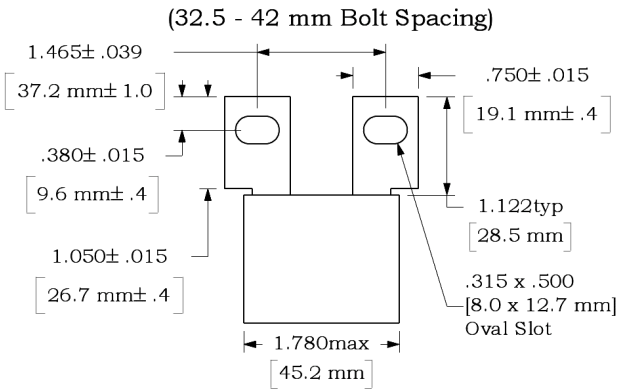
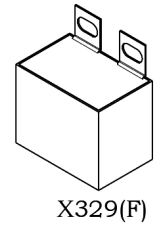
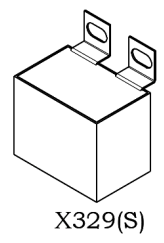
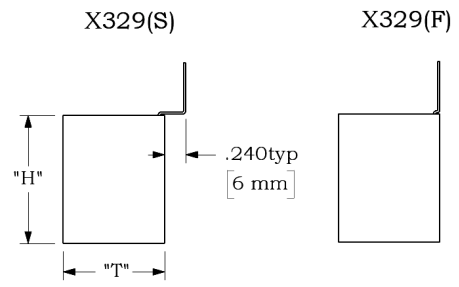
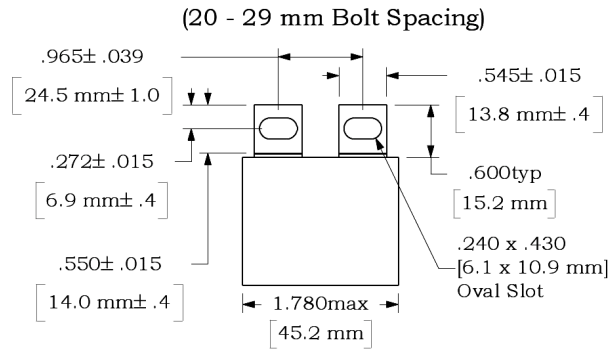


# Type X329(\*)




## 1.0 Physical Characteristics

- 1.1 Construction..... Non-inductive wound metallized polypropylene dielectric
- 1.2 Case ..... Flame retardant case
- 1.3 Terminations ..... Tinned slotted brass tabs
- 1.4 Fill Material ..... Flame retardant epoxy or urethane

## 2.0 Electrical Characteristics

- 2.1 Capacitance..... See Table 1 (values measured at or referred to 1000 ±20 Hz @ 25 ±5 °C)
- 2.2 Dissipation Factor ..... Shall not be greater than 0.10% when measured at or referred to 1000 ±20 Hz @ 25 ±5 °C
- 2.3 Insulation Resistance..... Shall be greater than 10,000 MΩ·μF when measured after 2 minutes electrification @ 100 VDC @ 25 °C (Value need not exceed 100,000 MΩ)
- 2.4 Dielectric Strength ..... 150% of rated VDC for 10 seconds through a limiting resistance of 100 Ω/V @ 25 °C

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Engineer:					Specification: 23A00345	Revision: F
Quality:						
Chief Engr:						

# Type X329(\*)

- 2.5 Rated Voltage..... See Table 1
- 2.6 Operating Current ..... See Table 1 (Currents are rated at an operating frequency of 5 kHz. Contact factory for other requirements.)
- 2.7 Operating Temp..... -40 to 85 °C
- 2.8 ESR ..... See Table 1 (ESR values are typical and measured at 100 kHz)
- 2.9 ESL..... Typically measures in range of 20 to 30 nH

**Table 1: Electrical and Physical Values**

CAP μF	600VDC – 250VAC – 800Vpeak						1200VDC – 500VAC – 1600Vpeak						2000VDC – 500VAC – 2600Vpeak					
	I <sub>RATED</sub> Arms	I <sub>PEAK</sub> A	ESR mΩ	T <sub>MAX</sub> in	H <sub>MAX</sub> in	Case	I <sub>RATED</sub> Arms	I <sub>PEAK</sub> A	ESR mΩ	T <sub>MAX</sub> in	H <sub>MAX</sub> in	Case	I <sub>RATED</sub> Arms	I <sub>PEAK</sub> A	ESR mΩ	T <sub>MAX</sub> in	H <sub>MAX</sub> in	Case
0.10													2.2	42	28.1	0.860	1.113	A
0.12													2.5	50	23.4	0.860	1.113	A
0.15													3.0	62	18.7	0.860	1.113	A
0.18													3.4	75	15.6	0.860	1.113	A
0.22							2.9	60	18.7	0.860	1.113	A	4.0	91	12.8	0.860	1.113	A
0.27							3.4	74	15.3	0.860	1.113	A	4.7	112	10.4	0.860	1.113	A
0.33	2.7	35	30.5	0.860	1.113	A	4.0	91	12.5	0.860	1.113	A	5.5	137	8.5	1.160	1.463	B
0.39	3.0	41	25.8	0.860	1.113	A	4.5	107	10.6	0.860	1.113	A	6.3	162	7.2	1.160	1.463	B
0.47	3.5	50	21.4	0.860	1.113	A	5.2	129	8.8	0.860	1.113	A	7.3	195	6.0	1.160	1.463	B
0.56	4.0	59	18.0	0.860	1.113	A	6.0	154	7.4	0.860	1.113	A	8.3	232	5.0	1.160	1.463	B
0.68	4.7	72	14.8	0.860	1.113	A	7.0	187	6.1	1.160	1.463	B	9.8	282	4.1	1.460	1.863	C
0.82	5.4	86	12.3	0.860	1.113	A	8.1	225	5.0	1.160	1.463	B	11.5	340	3.4	1.460	1.863	C
1.00	6.3	105	10.1	0.860	1.113	A	9.6	274	4.1	1.160	1.463	B	13.5	415	2.9	1.760	2.263	D
1.20	4.6	76	14.4	0.860	1.113	A	11.0	329	3.4	1.160	1.463	B	15.6	498	2.9	1.760	2.263	D
1.50	5.4	95	11.5	0.860	1.113	A	13.2	412	2.9	1.460	1.863	C	18.6	623	2.9	1.760	2.263	D
1.75	6.1	111	9.9	0.860	1.113	A	15.1	480	2.9	1.460	1.863	C						
2.00	6.8	127	8.6	0.860	1.113	A	16.6	549	2.9	1.460	1.863	C						
2.20	7.4	140	7.8	0.860	1.113	A	18.1	604	2.9	1.760	2.263	D						
2.50	8.1	159	6.9	0.860	1.113	A	20.1	686	2.9	1.760	2.263	D						
3.00	9.3	191	5.7	1.160	1.463	B	23.3	823	2.9	1.760	2.263	D						
4.00	11.7	254	4.3	1.160	1.463	B												
5.00	14.1	318	3.4	1.160	1.463	B												
6.00	16.2	381	2.9	1.460	1.863	C												
7.00	18.4	445	2.9	1.460	1.863	C												
8.00	20.7	508	2.9	1.460	1.863	C												
10.0	24.7	636	2.9	1.460	1.863	C												