Type DPM Polypropylene Film Capacitors

Metallized, Radial Leads

Great for High Frequency Switching Power Supplies

Type DPM radial-leaded, metallized polypropylene capacitors boast non-inductive windings with welded lead terminations which handle high continuous currents. The low ESR and low ESL are a glove fit for high frequency and switching power supply applications.

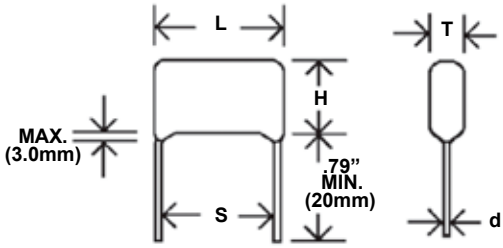
RoHS Compliant

Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Specifications

Voltage Range: 250 to 630 Vdc (160 to 250 Vac, 60 Hz)
Capacitance Range: .01 to 6.8 µF
Capacitance Tolerance: ±10% (K) standard
±5% (J) optional
Operating Temperature Range: –55°C to 105°C*
*Full-rated voltage at 85°C–Derate linearly to 50%-rated voltage at 105°C

Dielectric Strength: 175% (1 minute)
Dissipation Factor: .10% Max. (25 °C, 1 kHz)
Insulation Resistance: 10,000 MΩ x µF
30,000 MΩ Min.
Life Test: 1,000 hours at 85 °C at 125% rated voltage



NOTE: Other capacitance values, sizes and performance specifications are available. Contact us.

Ratings

Cap. (µF)	Catalog Part Number	T Max. Inches(mm)	H Max. Inches(mm)	L Max. Inches(mm)	S ±.06 (±1.5) Inches(mm)	d Inches(mm)	dV/dt V/µs
			250 Vdc (160 Vac)				
.010	DPM2S1K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.015	DPM2S15K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.022	DPM2S22K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.033	DPM2S33K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.047	DPM2S47K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.068	DPM2S68K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.10	DPM2P1K-F	0.315(8.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	34
.15	DPM2P15K-F	0.315(8.0)	0.512(13.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	23
.22	DPM2P22K-F	0.315(8.0)	0.512(13.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	23
.33	DPM2P33K-F	0.354(9.0)	0.591(15.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	23
.47	DPM2P47K-F	0.394(10.0)	0.630(16.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	19
.68	DPM2P68K-F	0.394(10.0)	0.630(16.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	19

Cap. (µF)	Catalog Part Number	T Max. Inches(mm)	H Max. Inches(mm)	L Max. Inches(mm)	S ±.06 (±1.5) Inches(mm)	d Inches(mm)	dV/dt V/µs
250 Vdc (160 Vac)							
1.00	DPM2W1K-F	0.473(12.0)	0.788(20.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	19
1.50	DPM2W1P5K-F	0.551(14.0)	0.866(22.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	14
2.20	DPM2W2P2K-F	0.591(15.0)	0.945(24.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	14
3.30	DPM2W3P3K-F	0.670(17.0)	1.063(27.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	8
4.70	DPM2W4P7K-F	0.788(20.0)	1.182(30.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	8
6.80	DPM2W6P8K-F	0.906(23.0)	1.300(33.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	8
400 Vdc (220 Vac)							
.010	DPM4S1K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	51
.015	DPM4S15K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	51
.022	DPM4S22K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	51
.033	DPM4S33K-F	0.315(8.0)	0.473(12.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	51
.047	DPM4S47K-F	0.315(8.0)	0.473(12.0)	0.709(18.0)	0.591(15.0)	0.024(0.6)	35
.068	DPM4S68K-F	0.315(8.0)	0.512(13.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	35
.10	DPM4P1K-F	0.354(9.0)	0.551(14.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	35
.15	DPM4P15K-F	0.315(8.0)	0.591(15.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	26
.22	DPM4P22K-F	0.394(10.0)	0.630(16.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	26
.33	DPM4P33K-F	0.433(11.0)	0.709(18.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	26
.47	DPM4P47K-F	0.433(11.0)	0.709(18.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	17
.68	DPM4P68K-F	0.551(14.0)	0.866(22.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	17
1.00	DPM4W1K-F	0.630(16.0)	0.985(25.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	17
1.50	DPM4W1P5K-F	0.670(17.0)	0.985(25.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	11
2.20	DPM4W2P2K-F	0.788(20.0)	1.103(28.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	11
3.30	DPM4W3P3K-F	0.945(24.0)	1.300(33.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	11
630 Vdc (250 Vac)							
.010	DPM6S1K-F	0.276(7.0)	0.433(11.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	69
.015	DPM6S15K-F	0.276(7.0)	0.473(12.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	69
.022	DPM6S22K-F	0.315(8.0)	0.512(13.0)	0.512(13.0)	0.394(10.0)	0.024(0.6)	69
.033	DPM6S33K-F	0.315(8.0)	0.512(13.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	48
.047	DPM6S47K-F	0.354(9.0)	0.591(15.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	48
.068	DPM6S68K-F	0.394(10.0)	0.630(16.0)	0.709(18.0)	0.591(15.0)	0.032(0.8)	48
.10	DPM6P1K-F	0.394(10.0)	0.610(15.5)	1.024(26.0)	0.886(22.5)	0.032(0.8)	36
.15	DPM6P15K-F	0.473(12.0)	0.709(18.0)	1.024(26.0)	0.886(22.5)	0.032(0.8)	36
.22	DPM6P22K-F	0.473(12.0)	0.866(22.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	33
.33	DPM6P33K-F	0.512(13.0)	0.866(22.0)	1.260(32.0)	1.083(27.5)	0.032(0.8)	33
.47	DPM6P47K-F	0.591(15.0)	0.965(24.5)	1.260(32.0)	1.083(27.5)	0.032(0.8)	33
.68	DPM6P68K-F	0.610(15.5)	1.083(27.5)	1.260(32.0)	1.083(27.5)	0.032(0.8)	33
1.00	DPM6W1K-F	0.748(19.0)	1.182(30.0)	1.851(47.0)	1.575(40.0)	0.032(0.8)	22

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