

Type DPM Polypropylene Film Capacitors

Metallized Radial Leads

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.

Specifications

Voltage Range: 250-630 Vdc (160-250 Vac, 60 Hz)

Capacitance Range: .01-6.8 μ F

Capacitance Tolerance: $\pm 10\%$ (K) standard
 $\pm 5\%$ (J) optional

Operating Temperature Range: -55 °C to 105 °C*

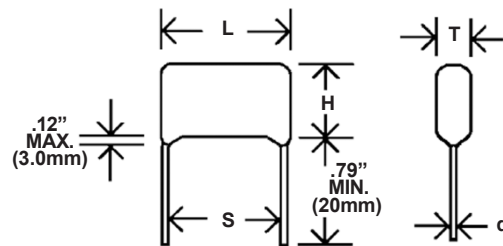
*Full-rated voltage at 85 °C—Derate linearly to 50%-rated voltage at 105 °C

Dielectric Strength: 175% (1 minute)

Dissipation Factor: .10% Max. (25 °C, 1 kHz)

Insulation Resistance: 10,000 M Ω x μ F
30,000 M Ω 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 and Dimensions — Normally Stocked

Cap. (μ F)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm .06$ (± 1.5) Inches (mm)	d Inches (mm)	dV/dt V/ μ s
250 Vdc (160 Vac)							
0.010	DPM2S1K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.015	DPM2S15K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.022	DPM2S22K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.033	DPM2S33K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.047	DPM2S47K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.068	DPM2S68K	0.276 (7.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.100	DPM2P1K	0.315 (8.0)	0.433 (11.0)	0.512 (13.0)	0.394 (10.0)	0.024 (0.6)	34
0.150	DPM2P15K	0.315 (8.0)	0.512 (13.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)	23
0.220	DPM2P22K	0.315 (8.0)	0.512 (13.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)	23
0.330	DPM2P33K	0.354 (9.0)	0.591 (15.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)	23
0.470	DPM2P47K	0.394 (10.0)	0.630 (16.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.680	DPM2P68K	0.394 (10.0)	0.630 (16.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
1.000	DPM2W1K	0.473 (12.0)	0.788 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
1.500	DPM2W1P5K	0.551 (14.0)	0.866 (22.0)	1.260 (32.0)	1.083 (27.5)	0.032 (0.8)	14
2.200	DPM2W2P2K	0.591 (15.0)	0.945 (24.0)	1.260 (32.0)	1.083 (27.5)	0.032 (0.8)	14

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Cap. (μ F)	Catalog Part Number	T Max.		H Max.		L Max.		S $\pm$.06 ($\pm$ 1.5)		d		dV/dt V/ μ s
		Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	
250 Vdc (160 Vac) (cont'd)												
3.300	DPM2W3P3K	0.670	(17.0)	1.063	(27.0)	1.851	(47.0)	1.575	(40.0)	0.032	(0.8)	8
4.700	DPM2W4P7K	0.788	(20.0)	1.182	(30.0)	1.851	(47.0)	1.575	(40.0)	0.032	(0.8)	8
6.800	DPM2W6P8K	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)												
0.010	DPM4S1K	0.276	(7.0)	0.433	(11.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	51
0.015	DPM4S15K	0.276	(7.0)	0.433	(11.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	51
0.022	DPM4S22K	0.276	(7.0)	0.433	(11.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	51
0.033	DPM4S33K	0.315	(8.0)	0.473	(12.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	51
0.047	DPM4S47K	0.315	(8.0)	0.473	(12.0)	0.709	(18.0)	0.591	(15.0)	0.024	(0.6)	35
0.068	DPM4S68K	0.315	(8.0)	0.512	(13.0)	0.709	(18.0)	0.591	(15.0)	0.032	(0.8)	35
0.100	DPM4P1K	0.354	(9.0)	0.551	(14.0)	0.709	(18.0)	0.591	(15.0)	0.032	(0.8)	35
0.150	DPM4P15K	0.315	(8.0)	0.591	(15.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	26
0.220	DPM4P22K	0.394	(10.0)	0.630	(16.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	26
0.330	DPM4P33K	0.433	(11.0)	0.709	(18.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	26
0.470	DPM4P47K	0.433	(11.0)	0.709	(18.0)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	17
0.680	DPM4P68K	0.551	(14.0)	0.866	(22.0)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	17
1.000	DPM4W1K	0.630	(16.0)	0.985	(25.0)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	17
1.500	DPM4W1P5K	0.670	(17.0)	0.985	(25.0)	1.851	(47.0)	1.575	(40.0)	0.032	(0.8)	11
2.200	DPM4W2P2K	0.788	(20.0)	1.103	(28.0)	1.851	(47.0)	1.575	(40.0)	0.032	(0.8)	11
3.300	DPM4W3P3K	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)												
0.010	DPM6S1K	0.276	(7.0)	0.433	(11.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	69
0.015	DPM6S15K	0.276	(7.0)	0.473	(12.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	69
0.022	DPM6S22K	0.315	(8.0)	0.512	(13.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	69
0.033	DPM6S33K	0.315	(8.0)	0.512	(13.0)	0.709	(18.0)	0.591	(15.0)	0.032	(0.8)	48
0.047	DPM6S47K	0.354	(9.0)	0.591	(15.0)	0.709	(18.0)	0.591	(15.0)	0.032	(0.8)	48
0.068	DPM6S68K	0.394	(10.0)	0.630	(16.0)	0.709	(18.0)	0.591	(15.0)	0.032	(0.8)	48
0.100	DPM6P1K	0.394	(10.0)	0.610	(15.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	36
0.150	DPM6P15K	0.473	(12.0)	0.709	(18.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	36
0.220	DPM6P22K	0.473	(12.0)	0.866	(22.0)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	33
0.330	DPM6P33K	0.512	(13.0)	0.866	(22.0)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	33
0.470	DPM6P47K	0.591	(15.0)	0.965	(24.5)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	33
0.680	DPM6P68K	0.610	(15.5)	1.083	(27.5)	1.260	(32.0)	1.083	(27.5)	0.032	(0.8)	33
1.000	DPM6W1K	0.748	(19.0)	1.182	(30.0)	1.851	(47.0)	1.575	(40.0)	0.032	(0.8)	22