

Type DPPM Polypropylene Film Capacitors

**Metallized Film/Foil
Radial Leads**

Compact Snubber Suitable for High Frequency Applications



Type DPPM radial-leaded, film/foil polypropylene capacitors utilize series wound extended foil with floating metallized common foil construction. **Type DPPM** offers excellent high frequency and high current capabilities and self-healing characteristics. With low inductance and high dV/dt characteristics, **Type DPPM** is ideal for snubber applications.

Specifications

Voltage Range: 1000-2000 Vdc (450-500 Vac, 60 Hz)

Capacitance Range: .001-.047 μ F

Capacitance Tolerance: $\pm 10\%$ (K) standard
 $\pm 5\%$ (J), $\pm 20\%$ (M)
optional

Operating Temperature Range: -40°C to 105°C^*

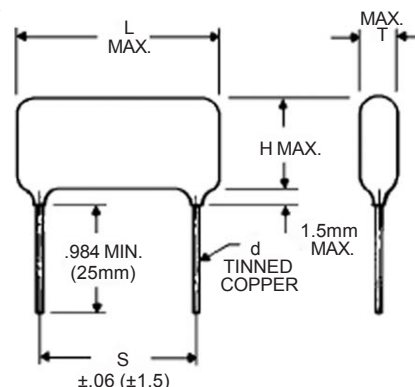
*Full-rated voltage at 85°C —Derate linearly to 50%-rated voltage at 105°C

Dielectric Strength: 175% (1 minute)

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

Insulation Resistance: 400,000 M Ω Min.

Life Test: 500 Hours at 85°C at 125% Rated Voltage



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

Ratings and Dimensions

Cap. μ F	Catalog Part Number	T Inches (mm)	H Inches (mm)	L Inches (mm)	S Inches (mm)	d Inches (mm)	dV/dt V/ μ s
1000 Vdc (450 Vac)							
0.0010	DPPM10D1K	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0012	DPPM10D12K	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0015	DPPM10D15K	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0018	DPPM10D18K	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0022	DPPM10D22K	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0027	DPPM10D27K	0.275 (7.0)	0.472 (12.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0033	DPPM10D33K	0.275 (7.0)	0.492 (12.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0039	DPPM10D39K	0.275 (7.0)	0.511 (13.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0047	DPPM10D47K	0.295 (7.5)	0.531 (13.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0056	DPPM10D56K	0.314 (8.0)	0.551 (14.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0068	DPPM10D68K	0.334 (8.5)	0.570 (14.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0082	DPPM10D82K	0.334 (8.5)	0.629 (16.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0100	DPPM10S1K	0.374 (9.5)	0.649 (16.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0120	DPPM10S12K	0.393 (10.0)	0.688 (17.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	1900
0.0150	DPPM10S15K	0.374 (9.5)	0.669 (17.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0180	DPPM10S18K	0.393 (10.0)	0.688 (17.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0220	DPPM10S22K	0.433 (11.0)	0.728 (18.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0270	DPPM10S27K	0.472 (12.0)	0.767 (19.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0330	DPPM10S33K	0.511 (13.0)	0.807 (20.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0390	DPPM10S39K	0.551 (14.0)	0.846 (21.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300
0.0470	DPPM10S47K	0.590 (15.0)	0.885 (22.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1300

Type DPPM Polypropylene Film Capacitors

Ratings

Cap. μF	Catalog Part Number	T Inches (mm)	H Inches (mm)	L Inches (mm)	S Inches (mm)	d Inches (mm)	dV/dt V/μs					
1200 Vdc (475 Vac)												
0.0010	DPPM12D1K	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0012	DPPM12D12K	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0015	DPPM12D15K	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0018	DPPM12D18K	0.275	(7.0)	0.472	(12.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0022	DPPM12D22K	0.275	(7.0)	0.492	(12.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0027	DPPM12D27K	0.275	(7.0)	0.492	(12.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0033	DPPM12D33K	0.295	(7.5)	0.511	(13.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0039	DPPM12D39K	0.295	(7.5)	0.531	(13.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0047	DPPM12D47K	0.314	(8.0)	0.551	(14.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0056	DPPM12D56K	0.334	(8.5)	0.570	(14.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	2100
0.0068	DPPM12D68K	0.314	(8.0)	0.590	(15.0)	1.220	(31.0)	0.826	(21.0)	0.032	(0.8)	1500
0.0082	DPPM12D82K	0.334	(8.5)	0.610	(15.5)	1.220	(31.0)	0.826	(21.0)	0.032	(0.8)	1500
0.0100	DPPM12S1K	0.354	(9.0)	0.629	(16.0)	1.220	(31.0)	0.826	(21.0)	0.032	(0.8)	1500
0.0120	DPPM12S12K	0.374	(9.5)	0.669	(17.0)	1.220	(31.0)	0.826	(21.0)	0.032	(0.8)	1500
0.0150	DPPM12S15K	0.413	(10.5)	0.708	(18.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1500
0.0180	DPPM12S18K	0.433	(11.0)	0.748	(19.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1500
0.0220	DPPM12S22K	0.472	(12.0)	0.787	(20.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1500
0.0270	DPPM12S27K	0.511	(13.0)	0.826	(21.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1500
0.0330	DPPM12S33K	0.551	(14.0)	0.866	(22.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1500
1600 Vdc (500 Vac)												
0.0010	DPPM16D1K	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0012	DPPM16D12K	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0015	DPPM16D15K	0.275	(7.0)	0.492	(12.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0018	DPPM16D18K	0.295	(7.5)	0.531	(13.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0022	DPPM16D22K	0.314	(8.0)	0.590	(15.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0027	DPPM16D27K	0.334	(8.5)	0.610	(15.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0033	DPPM16D33K	0.374	(9.5)	0.649	(16.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0039	DPPM16D39K	0.393	(10.0)	0.688	(17.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0047	DPPM16D47K	0.413	(10.5)	0.748	(19.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3700
0.0056	DPPM16D56K	0.393	(10.0)	0.708	(18.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0068	DPPM16D68K	0.413	(10.5)	0.748	(19.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0082	DPPM16D82K	0.433	(11.0)	0.787	(20.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0100	DPPM16S1K	0.472	(12.0)	0.866	(22.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0120	DPPM16S12K	0.531	(13.5)	0.905	(23.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0150	DPPM16S15K	0.590	(15.0)	0.964	(24.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0180	DPPM16S18K	0.649	(16.5)	1.023	(26.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
0.0220	DPPM16S22K	0.708	(18.0)	1.082	(27.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2800
2000 Vdc (500 Vac)												
0.0010	DPPM20D1K	0.275	(7.0)	0.492	(12.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0012	DPPM20D12K	0.295	(7.5)	0.511	(13.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0015	DPPM20D15K	0.314	(8.0)	0.551	(14.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0018	DPPM20D18K	0.334	(8.5)	0.610	(15.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0022	DPPM20D22K	0.354	(9.0)	0.629	(16.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0027	DPPM20D27K	0.374	(9.5)	0.649	(16.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0033	DPPM20D33K	0.413	(10.5)	0.688	(17.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0039	DPPM20D39K	0.433	(11.0)	0.748	(19.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	3900
0.0047	DPPM20D47K	0.393	(10.0)	0.748	(19.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0056	DPPM20D56K	0.433	(11.0)	0.767	(19.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0068	DPPM20D68K	0.472	(12.0)	0.807	(20.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0082	DPPM20D82K	0.511	(13.0)	0.846	(21.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0100	DPPM20S1K	0.551	(14.0)	0.866	(22.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0120	DPPM20S12K	0.570	(14.5)	0.925	(23.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900
0.0150	DPPM20S15K	0.629	(16.0)	0.964	(24.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	2900