Type DPPM Polypropylene Film Capacitors

Foil/Metallized Hybrid, Radial Leaded



Great for Compact Snubber Applications

Type DPPM radial-leaded, film/foil polypropylene capacitors utilize series wound extended foil with floating metallized common film 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

Capacitance Range: .001-.047 µF

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

Capacitance Tolerance: ±10% (K) standard
±5% (J), ±20% (M) optional

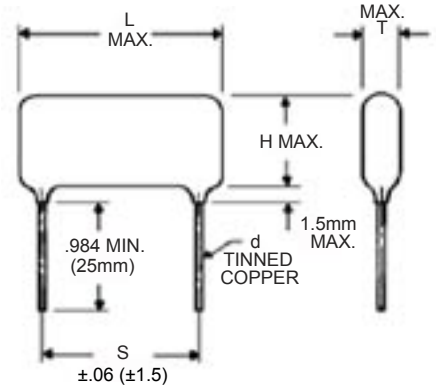
Operating Temperature Range: -40 °C to 105 °C*
*Full-rated voltage at 85 °C–Derate linearly to 50%-rated voltage at 105 °C

Dielectric Strength: 175% (1 minute)

Dissipation Factor: **0**.1% Max. (25 °C, 1kHz)

Insulation Resistance: 400,000 MΩ Min.

Life Test: 500 hours at 85 °C at 125% rated voltage



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

Ratings — RoHS Compliant

Cap. µF	Catalog Part Number	T Inches	T (mm)	H Inches	H (mm)	L Inches	L (mm)	S Inches	S (mm)	d Inches	d (mm)	dV/dt V/µs
1000 Vdc (450 Vac)												
.0010	DPPM10D1K-F	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0012	DPPM10D12K-F	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0015	DPPM10D15K-F	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0018	DPPM10D18K-F	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0022	DPPM10D22K-F	0.256	(6.5)	0.452	(11.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0027	DPPM10D27K-F	0.275	(7.0)	0.472	(12.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0033	DPPM10D33K-F	0.275	(7.0)	0.492	(12.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0039	DPPM10D39K-F	0.275	(7.0)	0.511	(13.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0047	DPPM10D47K-F	0.295	(7.5)	0.531	(13.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0056	DPPM10D56K-F	0.314	(8.0)	0.551	(14.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0068	DPPM10D68K-F	0.334	(8.5)	0.570	(14.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.0082	DPPM10D82K-F	0.334	(8.5)	0.629	(16.0)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.010	DPPM10S1K-F	0.374	(9.5)	0.649	(16.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.012	DPPM10S12K-F	0.393	(10.0)	0.688	(17.5)	0.984	(25.0)	0.826	(21.0)	0.032	(0.8)	1900
.015	DPPM10S15K-F	0.374	(9.5)	0.669	(17.0)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.018	DPPM10S18K-F	0.393	(10.0)	0.688	(17.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.022	DPPM10S22K-F	0.433	(11.0)	0.728	(18.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.027	DPPM10S27K-F	0.472	(12.0)	0.767	(19.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.033	DPPM10S33K-F	0.511	(13.0)	0.807	(20.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.039	DPPM10S39K-F	0.551	(14.0)	0.846	(21.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300
.047	DPPM10S47K-F	0.590	(15.0)	0.885	(22.5)	1.220	(31.0)	1.043	(26.5)	0.032	(0.8)	1300

Ratings

RoHS Compliant

Cap. mF	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)							
.0010	DPPM12D1K-F	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0012	DPPM12D12K-F	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0015	DPPM12D15K-F	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0018	DPPM12D18K-F	0.275 (7.0)	0.472 (12.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0022	DPPM12D22K-F	0.275 (7.0)	0.492 (12.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0027	DPPM12D27K-F	0.275 (7.0)	0.492 (12.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0033	DPPM12D33K-F	0.295 (7.5)	0.511 (13.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0039	DPPM12D39K-F	0.295 (7.5)	0.531 (13.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0047	DPPM12D47K-F	0.314 (8.0)	0.551 (14.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0056	DPPM12D56K-F	0.334 (8.5)	0.570 (14.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	2100
.0068	DPPM12D68K-F	0.314 (8.0)	0.590 (15.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.0082	DPPM12D82K-F	0.334 (8.5)	0.610 (15.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.010	DPPM12S1K-F	0.354 (9.0)	0.629 (16.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.012	DPPM12S12K-F	0.374 (9.5)	0.669 (17.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.015	DPPM12S15K-F	0.413 (10.5)	0.708 (18.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.018	DPPM12S18K-F	0.433 (11.0)	0.748 (19.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.022	DPPM12S22K-F	0.472 (12.0)	0.787 (20.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.027	DPPM12S27K-F	0.511 (13.0)	0.826 (21.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	1500
.033	DPPM12S33K-F	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)							
.0010	DPPM16D1K-F	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0012	DPPM16D12K-F	0.256 (6.5)	0.452 (11.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0015	DPPM16D15K-F	0.275 (7.0)	0.492 (12.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0018	DPPM16D18K-F	0.295 (7.5)	0.531 (13.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0022	DPPM16D22K-F	0.314 (8.0)	0.590 (15.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0027	DPPM16D27K-F	0.334 (8.5)	0.610 (15.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0033	DPPM16D33K-F	0.374 (9.5)	0.649 (16.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0039	DPPM16D39K-F	0.393 (10.0)	0.688 (17.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0047	DPPM16D47K-F	0.413 (10.5)	0.748 (19.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3700
.0056	DPPM16D56K-F	0.393 (10.0)	0.708 (18.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.0068	DPPM16D68K-F	0.413 (10.5)	0.748 (19.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.0082	DPPM16D82K-F	0.433 (11.0)	0.787 (20.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.010	DPPM16S1K-F	0.472 (12.0)	0.866 (22.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.012	DPPM16S12K-F	0.531 (13.5)	0.905 (23.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.015	DPPM16S15K-F	0.590 (15.0)	0.964 (24.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.018	DPPM16S18K-F	0.649 (16.5)	1.023 (26.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2800
.022	DPPM16S22K-F	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)							
.0010	DPPM20D1K-F	0.275 (7.0)	0.492 (12.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0012	DPPM20D12K-F	0.295 (7.5)	0.511 (13.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0015	DPPM20D15K-F	0.314 (8.0)	0.551 (14.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0018	DPPM20D18K-F	0.334 (8.5)	0.610 (15.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0022	DPPM20D22K-F	0.354 (9.0)	0.629 (16.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0027	DPPM20D27K-F	0.374 (9.5)	0.649 (16.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0033	DPPM20D33K-F	0.413 (10.5)	0.688 (17.5)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0039	DPPM20D39K-F	0.433 (11.0)	0.748 (19.0)	0.984 (25.0)	0.826 (21.0)	0.032 (0.8)	3900
.0047	DPPM20D47K-F	0.393 (10.0)	0.748 (19.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900
.0056	DPPM20D56K-F	0.433 (11.0)	0.767 (19.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900
.0068	DPPM20D68K-F	0.472 (12.0)	0.807 (20.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900
.0082	DPPM20D82K-F	0.511 (13.0)	0.846 (21.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900
.010	DPPM20S1K-F	0.551 (14.0)	0.866 (22.0)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900
.012	DPPM20S12K-F	0.570 (14.5)	0.925 (23.5)	1.220 (31.0)	1.043 (26.5)	0.032 (0.8)	2900