

Type MMP Polyester Film Capacitors

Metallized Oval, Axial Leads



Low Profile Circuit Cards

Type MMP axial-leaded, metallized polyester capacitors are ideal when height is at a premium. Non-inductive winding and self-healing capabilities provide stability and long life.

Specifications

Voltage Range: 100 to 630 Vdc (65 to 250 Vac, 60 Hz)

Capacitance Range: .01 to 10 μ F

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

$\pm 5\%$ (J) optional

Operating Temperature Range: -55°C to 125°C^*

*Full-rated voltage at 85°C —Derate linearly to 50%-rated voltage at 125°C

Dielectric Strength: 175% (1 minute)

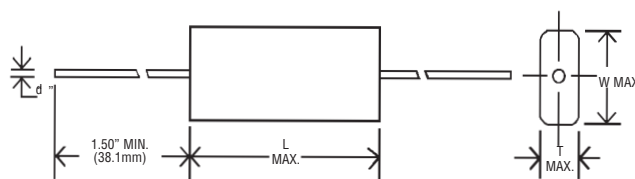
Dissipation Factor: 1% Max. (25°C , 1 kHz)

Insulation Resistance: 5,000 $\text{M}\Omega \times \mu\text{F}$

10,000 $\text{M}\Omega$ Min.

Life Test: 1,000 Hours at 85°C at 125% Rated

Voltage



Ratings and Dimensions

Cap. (μ F)	Catalog Number	T		W		L		d		dV/dt V/ μ s
		Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	
100 Vdc (65 Vac)										
0.15	MMP1P15K	0.197	(5.0)	0.354	(9.0)	0.670	(17.0)	0.024	(0.6)	20
0.20	MMP1P22K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	20
0.33	MMP1P33K	0.236	(6.0)	0.433	(11.0)	0.670	(17.0)	0.024	(0.6)	20
0.47	MMP1P47K	0.236	(6.0)	0.394	(10.0)	0.906	(23.0)	0.024	(0.6)	12
0.68	MMP1P68K	0.256	(6.5)	0.433	(11.0)	0.906	(23.0)	0.024	(0.6)	12
1.00	MMP1W1K	0.276	(7.0)	0.492	(12.5)	0.906	(23.0)	0.032	(0.8)	12
1.50	MMP1W1P5K	0.276	(7.0)	0.492	(12.5)	1.063	(27.0)	0.032	(0.8)	8
2.20	MMP1W2P2K	0.354	(9.0)	0.630	(16.0)	1.063	(27.0)	0.032	(0.8)	8
3.30	MMP1W3P3K	0.433	(11.0)	0.729	(18.5)	1.063	(27.0)	0.032	(0.8)	8
4.70	MMP1W4P7K	0.354	(9.0)	0.729	(18.5)	1.378	(35.0)	0.032	(0.8)	6
6.80	MMP1W6P8K	0.512	(13.0)	0.906	(23.0)	1.378	(35.0)	0.032	(0.8)	6
10.00	MMP1W10K	0.630	(16.0)	1.044	(26.5)	1.378	(35.0)	0.032	(0.8)	6
250 Vdc (160 Vac)										
0.10	MMP2P1K	0.217	(5.5)	0.335	(8.5)	0.670	(17.0)	0.024	(0.6)	28
0.15	MMP2P15K	0.217	(5.5)	0.374	(9.5)	0.670	(17.0)	0.024	(0.6)	28
0.22	MMP2P22K	0.197	(5.0)	0.354	(9.0)	0.906	(23.0)	0.024	(0.6)	17
0.33	MMP2P33K	0.217	(5.5)	0.414	(10.5)	0.906	(23.0)	0.024	(0.6)	17
0.47	MMP2P47K	0.276	(7.0)	0.433	(11.0)	0.985	(25.0)	0.032	(0.8)	12

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Cap.	Catalog	T		W		L		d		dV/dt
(μ F)	Number	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/ μ s
0.680	MMP2P68K	0.256	(6.5)	0.492	(12.5)	1.103	(28.0)	0.032	(0.8)	10
1.000	MMP2W1K	0.295	(7.5)	0.532	(13.5)	1.103	(28.0)	0.032	(0.8)	10
1.500	MMP2W1P5K	0.335	(8.5)	0.591	(15.0)	1.260	(32.0)	0.032	(0.8)	10
2.200	MMP2W2P2K	0.394	(10.0)	0.709	(18.0)	1.378	(35.0)	0.032	(0.8)	8
3.300	MMP2W3P3K	0.492	(12.5)	0.866	(22.0)	1.457	(37.0)	0.032	(0.8)	8
4.700	MMP2W4P7K	0.630	(16.0)	0.985	(25.0)	1.694	(43.0)	0.032	(0.8)	6
6.800	MMP2W6P8K	0.748	(19.0)	1.063	(27.0)	1.575	(40.0)	0.032	(0.8)	8
10.000	MMP2W10K	0.630	(16.0)	1.063	(27.0)	1.930	(49.0)	0.032	(0.8)	6
400 Vdc (200 Vac)										
0.022	MMP4S22K	0.197	(5.0)	0.354	(9.0)	0.670	(17.0)	0.024	(0.6)	45
0.033	MMP4S33K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.047	MMP4S47K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.068	MMP4S68K	0.256	(6.5)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.100	MMP4P1K	0.256	(6.5)	0.433	(11.0)	0.748	(19.0)	0.024	(0.6)	27
0.150	MMP4P15K	0.256	(6.5)	0.453	(11.5)	0.866	(22.0)	0.024	(0.6)	27
0.220	MMP4P22K	0.295	(7.5)	0.532	(13.5)	0.985	(25.0)	0.024	(0.6)	15
0.330	MMP4P33K	0.315	(8.0)	0.571	(14.5)	1.063	(27.0)	0.032	(0.8)	15
0.470	MMP4P47K	0.354	(9.0)	0.610	(15.5)	1.063	(27.0)	0.032	(0.8)	15
0.680	MMP4P68K	0.354	(9.0)	0.630	(16.0)	1.378	(35.0)	0.032	(0.8)	12
1.000	MMP4W1K	0.414	(10.5)	0.729	(18.5)	1.378	(35.0)	0.032	(0.8)	12
1.500	MMP4W1P5K	0.492	(12.5)	0.827	(21.0)	1.378	(35.0)	0.032	(0.8)	12
2.200	MMP4W2P2K	0.551	(14.0)	0.906	(23.0)	1.575	(40.0)	0.032	(0.8)	12
3.300	MMP4W3P3K	0.670	(17.0)	1.024	(26.0)	1.575	(40.0)	0.032	(0.8)	12
4.700	MMP4W4P7K	0.827	(21.0)	1.182	(30.0)	1.575	(40.0)	0.032	(0.8)	12
630 Vdc (250 Vac)										
0.010	MMP6S1K	0.197	(5.0)	0.354	(9.0)	0.670	(17.0)	0.024	(0.6)	72
0.015	MMP6S15K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.022	MMP6S22K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.033	MMP6S33K	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.047	MMP6S47K	0.236	(6.0)	0.394	(10.0)	0.906	(23.0)	0.024	(0.6)	43
0.068	MMP6S68K	0.276	(7.0)	0.433	(11.0)	0.906	(23.0)	0.024	(0.6)	43
0.100	MMP6P1K	0.315	(8.0)	0.512	(13.0)	0.906	(23.0)	0.032	(0.8)	43
0.150	MMP6P15K	0.394	(10.0)	0.591	(15.0)	0.906	(23.0)	0.032	(0.8)	43
0.220	MMP6P22K	0.354	(9.0)	0.591	(15.0)	1.063	(27.0)	0.032	(0.8)	28
0.330	MMP6P33K	0.394	(10.0)	0.670	(17.0)	1.063	(27.0)	0.032	(0.8)	28
0.470	MMP6P47K	0.473	(12.0)	0.689	(17.5)	1.378	(35.0)	0.032	(0.8)	21
0.680	MMP6P68K	0.433	(11.0)	0.748	(19.0)	1.378	(35.0)	0.032	(0.8)	21
1.000	MMP6W1K	0.512	(13.0)	0.866	(22.0)	1.536	(39.0)	0.032	(0.8)	21
1.500	MMP6W1P5K	0.670	(17.0)	1.063	(27.0)	1.536	(39.0)	0.032	(0.8)	21
2.200	MMP6W2P2K	0.748	(19.0)	1.103	(28.0)	1.930	(49.0)	0.032	(0.8)	12