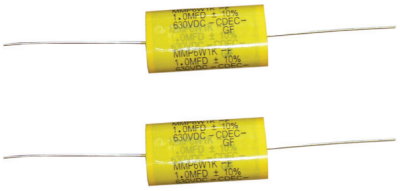
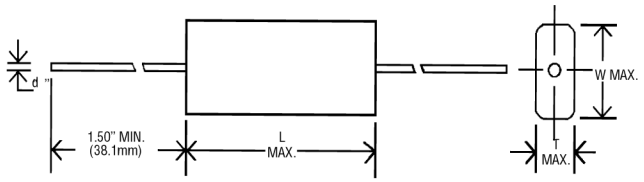
Type MMP Polyester Film Capacitors

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

Capacitance Range	.01 to 10 µF
Capacitance Tolerance	±10% (K) standard, ±5% (J) optional
Rated Voltage	100 to 630 Vdc
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 MΩ x µF, 10,000 MΩ Min
Life Test	1,000 Hours at 85 °C at 125% Rated Voltage
Regulatory Information	

Ratings and Dimensions

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

Type MMP Polyester Film Capacitors

Cap.	Catalog	T		W		L		d		dV/dt
(µF)	Number	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/µs
				250 Vdc						
0.680	MMP2P68K-F	0.256	(6.5)	0.492	(12.5)	1.103	(28.0)	0.032	(0.8)	10
1.000	MMP2W1K-F	0.295	(7.5)	0.532	(13.5)	1.103	(28.0)	0.032	(0.8)	10
1.500	MMP2W1P5K-F	0.335	(8.5)	0.591	(15.0)	1.260	(32.0)	0.032	(0.8)	10
2.200	MMP2W2P2K-F	0.394	(10.0)	0.709	(18.0)	1.378	(35.0)	0.032	(0.8)	8
3.300	MMP2W3P3K-F	0.492	(12.5)	0.866	(22.0)	1.457	(37.0)	0.032	(0.8)	8
4.700	MMP2W4P7K-F	0.630	(16.0)	0.985	(25.0)	1.694	(43.0)	0.032	(0.8)	6
6.800	MMP2W6P8K-F	0.748	(19.0)	1.063	(27.0)	1.575	(40.0)	0.032	(0.8)	8
10.000	MMP2W10K-F	0.630	(16.0)	1.063	(27.0)	1.930	(49.0)	0.032	(0.8)	6
				400 Vdc						
0.022	MMP4S22K-F	0.197	(5.0)	0.354	(9.0)	0.670	(17.0)	0.024	(0.6)	45
0.033	MMP4S33K-F	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.047	MMP4S47K-F	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.068	MMP4S68K-F	0.256	(6.5)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	45
0.100	MMP4P1K-F	0.256	(6.5)	0.433	(11.0)	0.748	(19.0)	0.024	(0.6)	27
0.150	MMP4P15K-F	0.256	(6.5)	0.453	(11.5)	0.866	(22.0)	0.024	(0.6)	27
0.220	MMP4P22K-F	0.295	(7.5)	0.532	(13.5)	0.985	(25.0)	0.024	(0.6)	15
0.330	MMP4P33K-F	0.315	(8.0)	0.571	(14.5)	1.063	(27.0)	0.032	(0.8)	15
0.470	MMP4P47K-F	0.354	(9.0)	0.610	(15.5)	1.063	(27.0)	0.032	(0.8)	15
0.680	MMP4P68K-F	0.354	(9.0)	0.630	(16.0)	1.378	(35.0)	0.032	(0.8)	14
1.000	MMP4W1K-F	0.414	(10.5)	0.729	(18.5)	1.378	(35.0)	0.032	(0.8)	14
1.500	MMP4W1P5K-F	0.492	(12.5)	0.827	(21.0)	1.378	(35.0)	0.032	(0.8)	14
2.200	MMP4W2P2K-F	0.551	(14.0)	0.906	(23.0)	1.575	(40.0)	0.032	(0.8)	12
3.300	MMP4W3P3K-F	0.670	(17.0)	1.024	(26.0)	1.575	(40.0)	0.032	(0.8)	12
4.700	MMP4W4P7K-F	0.827	(21.0)	1.182	(30.0)	1.575	(40.0)	0.032	(0.8)	12
				630 Vdc						
0.010	MMP6S1K-F	0.197	(5.0)	0.354	(9.0)	0.670	(17.0)	0.024	(0.6)	72
0.015	MMP6S15K-F	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.022	MMP6S22K-F	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.033	MMP6S33K-F	0.236	(6.0)	0.394	(10.0)	0.670	(17.0)	0.024	(0.6)	72
0.047	MMP6S47K-F	0.236	(6.0)	0.394	(10.0)	0.906	(23.0)	0.024	(0.6)	43
0.068	MMP6S68K-F	0.276	(7.0)	0.433	(11.0)	0.906	(23.0)	0.024	(0.6)	43
0.100	MMP6P1K-F	0.315	(8.0)	0.512	(13.0)	0.906	(23.0)	0.032	(0.8)	43
0.150	MMP6P15K-F	0.394	(10.0)	0.591	(15.0)	0.906	(23.0)	0.032	(0.8)	43
0.220	MMP6P22K-F	0.354	(9.0)	0.591	(15.0)	1.063	(27.0)	0.032	(0.8)	28
0.330	MMP6P33K-F	0.394	(10.0)	0.670	(17.0)	1.063	(27.0)	0.032	(0.8)	28
0.470	MMP6P47K-F	0.473	(12.0)	0.689	(17.5)	1.378	(35.0)	0.032	(0.8)	21
0.680	MMP6P68K-F	0.433	(11.0)	0.748	(19.0)	1.378	(35.0)	0.032	(0.8)	21
1.000	MMP6W1K-F	0.512	(13.0)	0.866	(22.0)	1.536	(39.0)	0.032	(0.8)	21
1.500	MMP6W1P5K-F	0.670	(17.0)	1.063	(27.0)	1.536	(39.0)	0.032	(0.8)	21
2.200	MMP6W2P2K-F	0.748	(19.0)	1.103	(28.0)	1.930	(49.0)	0.032	(0.8)	12

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