

MMP

Metallized Polyester Film Capacitors



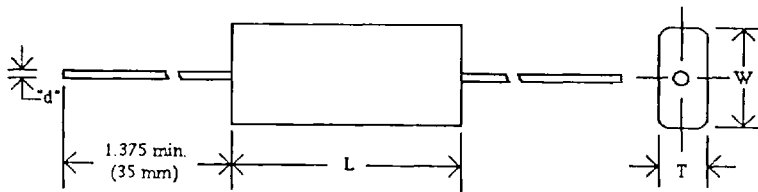
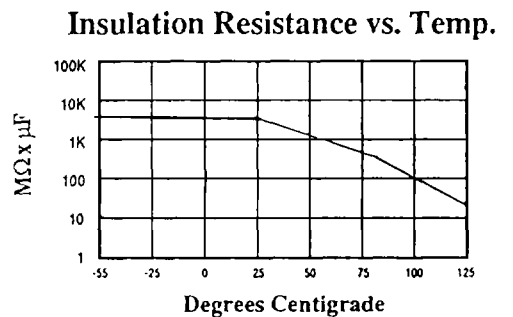
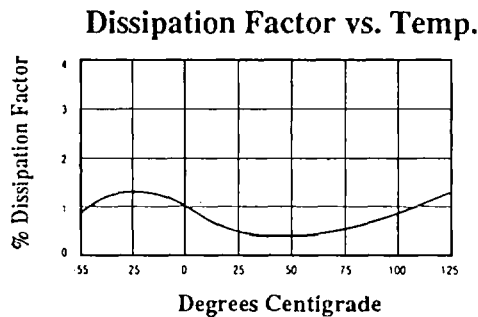
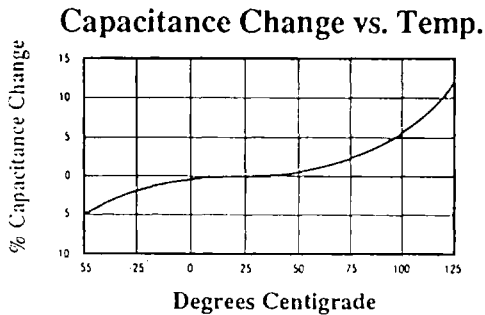
General Information

The MMP Series is a miniature flat oval metallized polyester film capacitor. Non-inductive winding and self healing capabilities give this series stability and long life characteristics. The low profile, flat, oval configuration is an ideal solution when height dimensions are very restricted.

Specifications

VOLTAGE RANGE: 100WVDC - 630WVDC
 CAPACITANCE RANGE: .01 - 10 μ F
 CAPACITANCE TOLERANCE: $\pm 10\%$ (K) standard
 $\pm 5\%$ (J) optional
 OPERATING TEMP. RANGE: -55°C to +85°C *
 DIELECTRIC STRENGTH: 175%
 DISSIPATION FACTOR: 1.0% Max.
 INSULATION RESISTANCE: 5,000 M Ω x μ F
 10,000 M Ω min.
 LIFE TEST: 1000 hours at 85°C at 150% rated voltage
 * Derate 50% at 125°C

Typical Characteristics



Available Options

- Special Design Capabilities
- Intermediate Capacitance Ratings
- Cap. Tolerance $\pm 5\%$ (J)

100 WVDC		MILLIMETERS				INCHES			
Cap. μ F	PART NUMBER	T (max)	W (max)	L ± 2	d ± 0.5	T (max)	W (max)	L ± 0.3	d ± 0.02
.01	MMP1S1K	USE NEXT HIGHER VOLTAGE				USE NEXT HIGHER VOLTAGE			
.015	MMP1S15K								
.022	MMP1S22K								
.033	MMP1S33K								
.047	MMP1S47K								
.068	MMP1S68K								
.10	MMP1P1K	5	7.5	15	.6	.20	.30	.59	.024
.15	MMP1P15K	6	11	15	.6	.24	.43	.59	.024
.22	MMP1P22K	6	11	15	.6	.24	.43	.59	.024
.33	MMP1P33K	6	11	15	.6	.24	.43	.59	.024
.47	MMP1P47K	7	11	21	.6	.28	.43	.83	.024
.68	MMP1P68K	6.5	11	21	.6	.26	.43	.83	.024
1.0	MMP1W1K	7	12.5	21	.8	.28	.49	.83	.032
1.5	MMP1W1P5K	9	14	25	.8	.35	.55	.98	.032
2.2	MMP1W2P2K	9	16	25	.8	.35	.63	.98	.032
3.3	MMP1W3P3K	11	18.5	25	.8	.43	.73	.98	.032
4.7	MMP1W4P7K	9	18.5	33	.8	.35	.73	1.30	.032
6.8	MMP1W6P8K	13	23	33	.8	.51	.91	1.30	.032
10.0	MMP1W10K	16	26.5	33	.8	.63	1.04	1.30	.032

250 WVDC		MILLIMETERS				INCHES			
Cap. μ F	PART NUMBER	T (max)	W (max)	L ± 2	d $\pm .05$	T (max)	W (max)	L $\pm .08$	d $\pm .002$
.01	MMP2S1K	USE NEXT HIGHER VOLTAGE				USE NEXT HIGHER VOLTAGE			
.015	MMP2S15K								
.022	MMP2S22K								
.033	MMP2S33K								
.047	MMP2S47K								
.068	MMP2S68K								
.10	MMP2P1K	5.5	8.5	15	.6	.22	.33	.59	.024
.15	MMP2P15K	5.5	9.5	15	.6	.22	.37	.59	.024
.22	MMP2P22K	5	8.5	21	.6	.20	.33	.83	.024
.33	MMP2P33K	5	10	21	.6	.20	.39	.83	.024
.47	MMP2P47K	7	11	21	.8	.28	.43	.83	.032
.68	MMP2P68K	6.5	11	27	.8	.26	.43	1.06	.032
1.0	MMP2W1K	7.5	15.5	27	.8	.30	.53	1.06	.032
1.5	MMP2W1P5K	8.5	15	27	.8	.33	.59	1.06	.032
2.2	MMP2W2P2K	9.5	18	33	.8	.37	.73	1.30	.032
3.3	MMP2W3P3K	11	21	38	.8	.43	.91	1.50	.032
4.7	MMP2W4P7K	12	25	38	.8	.48	.98	1.50	.032
6.8	MMP2W6P8K	19	27	38	.8	.75	1.08	1.50	.032
10	MMP2W10P1K	26	30	47	.8	1.00	1.18	1.85	.032

300 WVDC		MILLIMETERS				INCHES			
Cap. μ F	PART NUMBER	T (max)	W (max)	L ± 2	d $\pm .05$	T (max)	W (max)	L $\pm .08$	d $\pm .002$
.01	MMP4S1K	USE NEXT HIGHER VOLTAGE				USE NEXT HIGHER VOLTAGE			
.015	MMP4S15K								
.022	MMP4S22K								
.033	MMP4S33K								
.047	MMP4S47K								
.068	MMP4S68K								
.10	MMP4P1K	5	9	15	.6	.20	.35	.59	.024
.15	MMP4P15K	6	10	15	.6	.24	.39	.59	.024
.22	MMP4P22K	6	10	15	.6	.24	.39	.59	.024
.33	MMP4P33K	6.5	10	15	.6	.26	.39	.59	.024
.47	MMP4P47K	6.5	11	22	.6	.26	.43	.87	.024
.68	MMP4P68K	6.5	11.5	22	.6	.26	.45	.87	.024
1.0	MMP4W1K	7.5	13.5	22	.6	.30	.53	.87	.024
1.5	MMP4W1P5K	8	14.5	25	.8	.31	.57	.98	.032
2.2	MMP4W2P2K	9	15.5	25	.8	.35	.61	.98	.032
3.3	MMP4W3P3K	9	15.5	25	.8	.35	.61	.98	.032
4.7	MMP4W4P7K	7.5	15	33	.8	.30	.59	1.03	.032
6.8	MMP4W6P8K	7.5	15	33	.8	.30	.59	1.03	.032
10	MMP4W10P1K	10	18.5	33	.8	.39	.73	1.30	.032
1.5	MMP4W1P5K	12.5	21	33	.8	.49	.83	1.30	.032
2.2	MMP4W2P2K	14	23	38	.8	.55	.91	1.50	.032
3.3	MMP4W3P3K	17	26	38	.8	.67	1.02	1.50	.032
4.7	MMP4W4P7K	21	30	38	.8	.83	1.18	1.50	.032

630 WVDC		MILLIMETERS				INCHES			
Cap. μ F	PART NUMBER	T (max)	W (max)	L ± 2	d $\pm .05$	T (max)	W (max)	L $\pm .08$	d $\pm .002$
.01	MMP6S1K	5	9	15	.6	.20	.35	.59	.024
.015	MMP6S15K	6	10	15	.6	.24	.39	.59	.024
.022	MMP6S22K	6	10	15	.6	.24	.39	.59	.024
.033	MMP6S33K	6	10	15	.6	.24	.39	.59	.024
.047	MMP6S47K	6	10	21	.6	.24	.39	.83	.024
.068	MMP6S68K	7	11	21	.6	.28	.43	.83	.024
.10	MMP6P1K	8	13	21	.6	.31	.51	.83	.032
.15	MMP6P15K	10	15	21	.8	.39	.59	.83	.032
.22	MMP6P22K	8.5	14.5	25	.8	.33	.57	.98	.032
.33	MMP6P33K	10	17	25	.8	.39	.67	.98	.032
.47	MMP6P47K	9	17.5	33	.8	.35	.69	1.30	.032
.68	MMP6P68K	11	19	33	.8	.43	.75	1.30	.032
1.0	MMP6W1K	13	22	37	.8	.51	.87	1.46	.032
1.5	MMP6W1P5K	17	27.5	37	.8	.67	1.08	1.46	.032
2.2	MMP6W2P2K	19	28	47	.8	.75	1.10	1.85	.032