

# Type DMM Polyester Film Capacitors

## Metallized



## DC Applications Self Healing

**Type DMM** radial-leaded, metallized polyester capacitors have non-inductive windings and multi-layered epoxy resin enhancing performance characteristics and humidity resistance. Self healing characteristics prevent permanent shorting due to high-voltage transients. When long life and performance stability are critical **Type DMM** is the ideal solution.

## Specifications

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

**Capacitance Range:** .01-10  $\mu\text{F}$

**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:** 150% (1 minute)

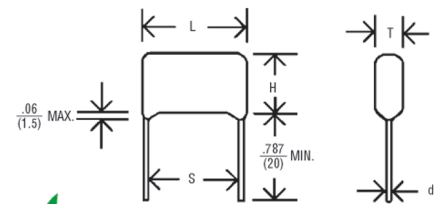
**Dissipation Factor:** 1% Max. (25 °C, 1 kHz)

**Insulation Resistance:** 5,000 M $\Omega$  x  $\mu\text{F}$   
10,000 M $\Omega$  Min.

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

Rated Volts	Pulse Capability				
	Body Length				
	0.55	0.71	0.94	1.024-1.220	1.38
	dV/dt—volts per microsecond, maximum				
100	20	12	8	6	7
250	28	17	12	8	7
400	46	28	15	14	12
630	72	43	28	21	17

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



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

## Ratings

Cap. ( $\mu\text{F}$ )	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm .06$ ( $\pm 1.5$ ) Inches (mm)	d Inches (mm)
<b>100 Vdc (65 Vac)</b>						
0.15	DMM1P15K-F	0.236 (6.0)	0.394 (10.0)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.22	DMM1P22K-F	0.236 (6.0)	0.414 (10.5)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.33	DMM1P33K-F	0.236 (6.0)	0.414 (10.5)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.47	DMM1P47K-F	0.236 (6.0)	0.473 (12.0)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.68	DMM1P68K-F	0.276 (7.0)	0.551 (14.0)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
1.00	DMM1W1K-F	0.354 (9.0)	0.591 (15.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)
1.50	DMM1W1P5K-F	0.354 (9.0)	0.670 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
2.20	DMM1W2P2K-F	0.433 (11.0)	0.788 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
3.30	DMM1W3P3K-F	0.453 (11.5)	0.788 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
4.70	DMM1W4P7K-F	0.512 (13.0)	0.906 (23.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
6.80	DMM1W6P8K-F	0.630 (16.0)	1.024 (26.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
10.00	DMM1W10K-F	0.709 (18.0)	1.221 (31.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
<b>250 Vdc (160 Vac)</b>						
0.068	DMM2S68K-F	0.236 (6.0)	0.394 (10.0)	0.551 (14.0)	0.390 (10.0)	0.024 (0.6)
0.10	DMM2P1K-F	0.276 (7.0)	0.394 (10.0)	0.551 (14.0)	0.390 (10.0)	0.024 (0.6)
0.15	DMM2P15K-F	0.276 (7.0)	0.433 (11.0)	0.709 (18.0)	0.590 (15.0)	0.024 (0.6)
0.22	DMM2P22K-F	0.276 (7.0)	0.473 (12.0)	0.709 (18.0)	0.590 (15.0)	0.024 (0.6)
0.33	DMM2P33K-F	0.276 (7.0)	0.512 (13.0)	0.709 (18.0)	0.590 (15.0)	0.024 (0.6)
0.47	DMM2P47K-F	0.315 (8.0)	0.591 (15.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.68	DMM2P68K-F	0.354 (9.0)	0.610 (15.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)

# Type DMM Polyester Film Capacitors

RoHS Compliant

Cap. ( $\mu$ F)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm$ .06 ( $\pm$ 1.5) Inches (mm)	d Inches (mm)
<b>250 Vdc (160 Vac)</b>						
1.00	DMM2W1K-F	0.394 (10.0)	0.670 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
1.50	DMM2W1P5K-F	0.394 (10.0)	0.768 (19.5)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
2.20	DMM2W2P2K-F	0.512 (13.0)	0.866 (22.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
3.30	DMM2W3P3K-F	0.630 (16.0)	1.024 (26.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
4.70	DMM2W4P7K-F	0.630 (16.0)	1.024 (26.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
<b>400 Vdc (200 Vac)</b>						
0.033	DMM4S33K-F	0.236 (6.0)	0.414 (10.5)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.047	DMM4S47K-F	0.315 (8.0)	0.433 (11.0)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.068	DMM4S68K-F	0.236 (6.0)	0.512 (13.0)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.10	DMM4P1K-F	0.256 (6.5)	0.512 (13.0)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.15	DMM4P15K-F	0.276 (7.0)	0.551 (14.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)
0.22	DMM4P22K-F	0.354 (9.0)	0.630 (16.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.33	DMM4P33K-F	0.354 (9.0)	0.630 (16.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.47	DMM4P47K-F	0.394 (10.0)	0.709 (18.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.68	DMM4P68K-F	0.414 (10.5)	0.709 (18.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
1.00	DMM4W1K-F	0.473 (12.0)	0.866 (22.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
<b>630 Vdc (250 Vac)</b>						
0.01	DMM6S1K-F	0.236 (6.0)	0.394 (10.0)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.015	DMM6S15K-F	0.256 (6.5)	0.453 (11.5)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.022	DMM6S22K-F	0.276 (7.0)	0.492 (12.5)	0.551 (14.0)	0.394 (10.0)	0.024 (0.6)
0.033	DMM6S33K-F	0.315 (8.0)	0.532 (13.5)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.047	DMM6S47K-F	0.295 (7.5)	0.492 (12.5)	0.709 (18.0)	0.591 (15.0)	0.024 (0.6)
0.068	DMM6S68K-F	0.335 (8.5)	0.571 (14.5)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)
0.10	DMM6P1K-F	0.374 (9.5)	0.630 (16.0)	0.709 (18.0)	0.591 (15.0)	0.032 (0.8)
0.15	DMM6P15K-F	0.394 (10.0)	0.670 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.22	DMM6P22K-F	0.433 (11.0)	0.788 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)
0.33	DMM6P33K-F	0.512 (13.0)	0.866 (22.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
0.47	DMM6P47K-F	0.512 (13.0)	0.866 (22.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
0.68	DMM6P68K-F	0.591 (15.0)	1.024 (26.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)
1.00	DMM6W1K-F	0.689 (17.5)	1.182 (30.0)	1.221 (31.0)	1.083 (27.5)	0.032 (0.8)