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 performace 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.

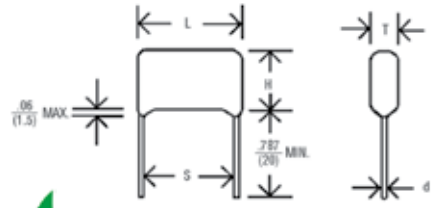
Specifications

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

Pulse Capability					
Rated Volts	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	
250	28	17	12	8	7
400	46	28	15	14	12
630	72	43	28	21	17

NOTE: Other capa
sizes and performar
are available. Conta



RoHS Compliant

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. (µF)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S ±.06 (±1.5) Inches (mm)	d Inches (mm)
			100 Vdc			
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)
			250 Vdc			
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)

Cap. (µF)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S ±.06 (±1.5) Inches (mm)	d Inches (mm)
			250 Vdc			
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)
			400 Vdc			
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)
			630 Vdc			
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)

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