

Type DME Polyester Film Capacitors

Metallized Radial Leads



DC Applications Miniature Size

Type DME radial-leaded, mini-dipped capacitors deliver virtually the performance of other capacitors which have cases that are twice as big. Improvements in film technology permit the use of thinner dielectric and make **Type DME** the choice for all but higher current AC applications where the larger size may be an advantage. **Type DME** self heals shorts caused by overvoltage transients. For small size and low cost, **Type DME** is tops.

Specifications

Voltage Range: 100 – 1000 Vdc (65-250 Vac, 60 Hz)

Capacitance Range: .01 – 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

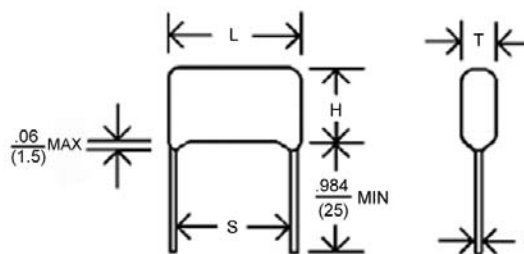
Dielectric Strength: 150% (1 minute)

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

Insulation Resistance: 3,000 $\text{M}\Omega \times \mu\text{F}$

9,000 $\text{M}\Omega$ Min.

Life Test: 500 Hours at 85°C at 125% Rated Voltage



NOTE: Refer to Application Guide for test conditions.
Contact us for other capacitance values, sizes and performance specifications.

Ratings and Dimensions

Normally Stocked

Cap. (μ F)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm .04$ (± 1.0) Inches (mm)	d Inches (mm)	dV/dt V/ μ s
100 Vdc (65 Vac)							
0.56	DME1P56K	0.217 (5.5)	0.429 (10.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
0.68	DME1P68K	0.236 (6.0)	0.469 (11.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
0.82	DME1P82K	0.256 (6.5)	0.531 (13.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
1.00	DME1W1K	0.276 (7.0)	0.551 (14.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
1.20	DME1W1P2K	0.217 (5.5)	0.504 (12.8)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	10
1.50	DME1W1P5K	0.256 (6.5)	0.528 (13.4)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
1.80	DME1W1P8K	0.256 (6.5)	0.571 (14.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
2.20	DME1W2P2K	0.295 (7.5)	0.610 (15.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
2.70	DME1W2P7K	0.315 (8.0)	0.630 (16.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
3.30	DME1W3P3K	0.354 (9.0)	0.650 (16.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
3.90	DME1W3P9K	0.276 (7.0)	0.646 (16.4)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
4.70	DME1W4P7K	0.315 (8.0)	0.669 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
5.60	DME1W5P6K	0.354 (9.0)	0.689 (17.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
6.80	DME1W6P8K	0.374 (9.5)	0.728 (18.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
8.20	DME1W8P2K	0.394 (10.0)	0.787 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
10.00	DME1W10K	0.453 (11.5)	0.827 (21.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6

Type DME Polyester Film Capacitors

Cap. (μ F)	Catalog Part Number	T Max.		H Max.		L Max.		S ± 0.04 (± 1.0)		d		dV/dt V/ μ s
		Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	
250 Vdc (160 Vac)												
0.010	DME2S1K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.012	DME2S12K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.015	DME2S15K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.018	DME2S18K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.022	DME2S22K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.027	DME2S27K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.033	DME2S33K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.039	DME2S39K	0.173	(4.4)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.047	DME2S47K	0.177	(4.5)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.056	DME2S56K	0.189	(4.8)	0.311	(7.9)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.068	DME2S68K	0.189	(4.8)	0.311	(7.9)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.082	DME2S82K	0.197	(5.0)	0.315	(8.0)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.100	DME2P1K	0.228	(5.8)	0.346	(8.8)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.120	DME2P12K	0.236	(6.0)	0.354	(9.0)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.150	DME2P15K	0.236	(6.0)	0.425	(10.8)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	31
0.180	DME2P18K	0.197	(5.0)	0.413	(10.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	20
0.220	DME2P22K	0.236	(6.0)	0.413	(10.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	20
0.270	DME2P27K	0.236	(6.0)	0.453	(11.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	20
0.330	DME2P33K	0.276	(7.0)	0.472	(12.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	20
0.390	DME2P39K	0.193	(4.9)	0.472	(12.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	12
0.470	DME2P47K	0.236	(6.0)	0.492	(12.5)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	12
0.560	DME2P56K	0.236	(6.0)	0.512	(13.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	12
0.680	DME2P68K	0.256	(6.5)	0.531	(13.5)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	12
0.820	DME2P82K	0.276	(7.0)	0.590	(15.0)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	12
1.000	DME2W1K	0.315	(8.0)	0.610	(15.5)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	12
1.200	DME2W1P2K	0.315	(8.0)	0.626	(15.9)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	12
1.500	DME2W1P5K	0.374	(9.5)	0.689	(17.5)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	12
1.800	DME2W1P8K	0.295	(7.5)	0.610	(15.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
2.200	DME2W2P2K	0.354	(9.0)	0.669	(17.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
2.700	DME2W2P7K	0.394	(10.0)	0.689	(17.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
3.300	DME2W3P3K	0.413	(10.5)	0.748	(19.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
3.900	DME2W3P9K	0.443	(11.2)	0.807	(20.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
4.700	DME2W4P7K	0.492	(12.5)	0.886	(22.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	7
5.600	DME2W5P6K	0.492	(12.5)	0.846	(21.5)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	6
6.800	DME2W6P8K	0.531	(13.5)	0.886	(22.5)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	6
8.200	DME2W8P2K	0.590	(15.0)	0.945	(24.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	6
10.000	DME2W10K	0.630	(16.0)	1.024	(26.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	6
400 Vdc (200 Vac)												
0.010	DME4S1K	0.169	(4.3)	0.291	(7.4)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.012	DME4S12K	0.173	(4.4)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.015	DME4S15K	0.173	(4.4)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.018	DME4S18K	0.173	(4.4)	0.295	(7.5)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.022	DME4S22K	0.189	(4.8)	0.311	(7.9)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.027	DME4S27K	0.217	(5.5)	0.315	(8.0)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.033	DME4S33K	0.236	(6.0)	0.354	(9.0)	0.406	(10.3)	0.295	(7.5)	0.024	(0.6)	46
0.039	DME4S39K	0.193	(4.9)	0.315	(8.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30
0.047	DME4S47K	0.217	(5.5)	0.335	(8.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30
0.056	DME4S56K	0.217	(5.5)	0.394	(10.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30

Type DME Polyester Film Capacitors

Cap. (μ F)	Catalog Part Number	T Max.		H Max.		L Max.		S $\pm 0.04 (\pm 1.0)$		d		dV/dt V/ μ s
		Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	
400 Vdc (200 Vac)												
0.068	DME4S68K	0.236	(6.0)	0.413	(10.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30
0.082	DME4S82K	0.248	(6.3)	0.433	(11.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30
0.100	DME4P1K	0.256	(6.5)	0.472	(12.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	30
0.120	DME4P12K	0.217	(5.5)	0.394	(10.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	17
0.150	DME4P15K	0.217	(5.5)	0.488	(12.4)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	17
0.180	DME4P18K	0.217	(5.5)	0.492	(12.5)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	17
0.220	DME4P22K	0.256	(6.5)	0.512	(13.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	17
0.270	DME4P27K	0.256	(6.5)	0.563	(14.3)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	17
0.330	DME4P33K	0.295	(7.5)	0.587	(14.9)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	17
0.390	DME4P39K	0.295	(7.5)	0.606	(15.4)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	17
0.470	DME4P47K	0.327	(8.3)	0.669	(17.0)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	17
0.560	DME4P56K	0.276	(7.0)	0.630	(16.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	11
0.680	DME4P68K	0.295	(7.5)	0.650	(16.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	11
0.820	DME4P82K	0.315	(8.0)	0.689	(17.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	11
1.000	DME4W1K	0.335	(8.5)	0.728	(18.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	11
1.200	DME4W1P2K	0.374	(9.5)	0.744	(18.9)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	11
1.500	DME4W1P5K	0.374	(9.5)	0.748	(19.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	9
1.800	DME4W1P8K	0.433	(11.0)	0.807	(20.5)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	9
2.200	DME4W2P2K	0.453	(11.5)	0.866	(22.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	9
630 Vdc (250 Vac)												
0.010	DME6S1K	0.197	(5.0)	0.315	(8.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.012	DME6S12K	0.197	(5.0)	0.315	(8.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.015	DME6S15K	0.217	(5.5)	0.335	(8.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.018	DME6S18K	0.217	(5.5)	0.394	(10.0)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.022	DME6S22K	0.217	(5.5)	0.413	(10.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.027	DME6S27K	0.217	(5.5)	0.429	(10.9)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.033	DME6S33K	0.256	(6.5)	0.469	(11.9)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.039	DME6S39K	0.236	(6.0)	0.528	(13.4)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.047	DME6S47K	0.276	(7.0)	0.531	(13.5)	0.492	(12.5)	0.394	(10.0)	0.024	(0.6)	66
0.056	DME6S56K	0.236	(6.0)	0.413	(10.5)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	33
0.068	DME6S68K	0.236	(6.0)	0.453	(11.5)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	33
0.082	DME6S82K	0.276	(7.0)	0.472	(12.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	33
0.100	DME6P1K	0.256	(6.5)	0.551	(14.0)	0.728	(18.5)	0.591	(15.0)	0.024	(0.6)	33
0.120	DME6P12K	0.256	(6.5)	0.571	(14.5)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	33
0.150	DME6P15K	0.315	(8.0)	0.630	(16.0)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	33
0.180	DME6P18K	0.315	(8.0)	0.630	(16.0)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	33
0.220	DME6P22K	0.374	(9.5)	0.669	(17.0)	0.728	(18.5)	0.591	(15.0)	0.032	(0.8)	33
0.270	DME6P27K	0.276	(7.0)	0.650	(16.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.330	DME6P33K	0.315	(8.0)	0.689	(17.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.390	DME6P39K	0.335	(8.5)	0.705	(17.9)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.470	DME6P47K	0.394	(10.0)	0.728	(18.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.560	DME6P56K	0.413	(10.5)	0.787	(20.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.680	DME6P68K	0.472	(12.0)	0.827	(21.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	19
0.820	DME6P82K	0.453	(11.5)	0.807	(20.5)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1.000	DME6W1K	0.512	(13.0)	0.866	(22.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1.200	DME6W1P2K	0.531	(13.5)	0.906	(23.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1.500	DME6W1P5K	0.630	(16.0)	0.985	(25.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1.800	DME6W1P8K	0.669	(17.0)	1.063	(27.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15

Type DME Polyester Film Capacitors

Cap. (μ F)	Catalog Part Number	T Max.		H Max.		L Max.		S $\pm$.04 ($\pm$ 1.0)		d		dV/dt V/ μ s
Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	
630 Vdc (250 Vac)												
2.200	DME6W2P2K	0.787	(20.0)	1.142	(29.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1000 Vdc (250 Vac)												
0.010	DME10S1K	0.236	(6.0)	0.433	(11.0)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	193
0.012	DME10S12K	0.236	(6.0)	0.472	(12.0)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	193
0.015	DME10S15K	0.276	(7.0)	0.492	(12.5)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	193
0.018	DME10S18K	0.295	(7.5)	0.512	(13.0)	0.610	(15.5)	0.492	(12.5)	0.032	(0.8)	193
0.022	DME10S22K	0.295	(7.5)	0.610	(15.5)	0.610	(15.5)	0.492	(12.5)	0.032	(0.8)	193
0.027	DME10S27K	0.236	(6.0)	0.512	(13.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.033	DME10S33K	0.256	(6.5)	0.551	(14.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.039	DME10S39K	0.276	(7.0)	0.571	(14.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.047	DME10S47K	0.295	(7.5)	0.610	(15.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.056	DME10S56K	0.295	(7.5)	0.669	(17.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.068	DME10S68K	0.335	(8.5)	0.709	(18.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.082	DME10S82K	0.354	(9.0)	0.728	(18.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.100	DME10P1K	0.394	(10.0)	0.787	(20.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.120	DME10P12K	0.354	(9.0)	0.728	(18.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.150	DME10P15K	0.394	(10.0)	0.787	(20.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.180	DME10P18K	0.413	(10.5)	0.866	(22.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.220	DME10P22K	0.472	(12.0)	0.906	(23.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70