



**THE DATASHEET OF
DME4P1K-F**



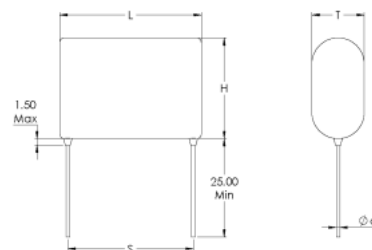
Type DME Polyester Film Capacitors

Metallized Radial Leads

DC Applications - Miniature Size



Type DME radial-leaded, mini-dipped capacitors deliver virtually the same performance of other capacitors physically twice as big. Improvements in film technology permit the use of thinner dielectric. **Type DME** self heals shorts caused by overvoltage transients. For small size and low cost, **Type DME** is tops.



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

Specifications

Capacitance Range	.01-10 μ F
Capacitance Tolerance	\pm 10% (K) standard, \pm 5% (J) optional
Rated Voltage	100-1000 Vdc
Operating Temperature Range	-55 $^{\circ}$ C to +125 $^{\circ}$ C (with 50% Vdc derating >85 $^{\circ}$ C)
Dielectric Strength	150% (1 minute)
Dissipation Factor	1% Max. (25 $^{\circ}$ C, 1kHz)
Insulation Resistance	3,000 M Ω x μ F, 9,000 M Ω Min
Life Test	1000 Hours at 85 $^{\circ}$ C at 125% Rated Voltage

Regulatory Information

Ratings

Cap. (μ F)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S \pm .04 (\pm 1.0) Inches (mm)	d Inches (mm)	dV/dt V/ μ s
100 Vdc							
0.56	DME1P56K-F	0.217 (5.5)	0.429 (10.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
0.68	DME1P68K-F	0.236 (6.0)	0.469 (11.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
0.82	DME1P82K-F	0.256 (6.5)	0.531 (13.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
1.00	DME1W1K-F	0.276 (7.0)	0.551 (14.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	16
1.20	DME1W1P2K-F	0.217 (5.5)	0.504 (12.8)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	10
1.50	DME1W1P5K-F	0.256 (6.5)	0.528 (13.4)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
1.80	DME1W1P8K-F	0.256 (6.5)	0.571 (14.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
2.20	DME1W2P2K-F	0.295 (7.5)	0.610 (15.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
2.70	DME1W2P7K-F	0.315 (8.0)	0.630 (16.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
3.30	DME1W3P3K-F	0.354 (9.0)	0.650 (16.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	10
3.90	DME1W3P9K-F	0.276 (7.0)	0.646 (16.4)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
4.70	DME1W4P7K-F	0.315 (8.0)	0.669 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
5.60	DME1W5P6K-F	0.354 (9.0)	0.689 (17.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
6.80	DME1W6P8K-F	0.374 (9.5)	0.728 (18.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
8.20	DME1W8P2K-F	0.394 (10.0)	0.787 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	6
10.00	DME1W10K-F	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. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S \pm .04 (\pm 1.0)	d Inches (mm)	dV/dt V/ μ s
250 Vdc							
0.010	DME2S1K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.012	DME2S12K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.015	DME2S15K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.018	DME2S18K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.022	DME2S22K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.027	DME2S27K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.033	DME2S33K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.039	DME2S39K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.047	DME2S47K-F	0.177 (4.5)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.056	DME2S56K-F	0.189 (4.8)	0.311 (7.9)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.068	DME2S68K-F	0.189 (4.8)	0.311 (7.9)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.082	DME2S82K-F	0.197 (5.0)	0.315 (8.0)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.100	DME2P1K-F	0.228 (5.8)	0.346 (8.8)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.120	DME2P12K-F	0.236 (6.0)	0.354 (9.0)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.150	DME2P15K-F	0.236 (6.0)	0.425 (10.8)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	31
0.180	DME2P18K-F	0.197 (5.0)	0.413 (10.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	20
0.220	DME2P22K-F	0.236 (6.0)	0.413 (10.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	20
0.270	DME2P27K-F	0.236 (6.0)	0.453 (11.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	20
0.330	DME2P33K-F	0.276 (7.0)	0.472 (12.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	20
0.390	DME2P39K-F	0.193 (4.9)	0.472 (12.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	12
0.470	DME2P47K-F	0.236 (6.0)	0.492 (12.5)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	12
0.560	DME2P56K-F	0.236 (6.0)	0.512 (13.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	12
0.680	DME2P68K-F	0.256 (6.5)	0.531 (13.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	12
0.820	DME2P82K-F	0.276 (7.0)	0.590 (15.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	12
1.000	DME2W1K-F	0.315 (8.0)	0.610 (15.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	12
1.200	DME2W1P2K-F	0.315 (8.0)	0.626 (15.9)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	12
1.500	DME2W1P5K-F	0.374 (9.5)	0.689 (17.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	12
1.800	DME2W1P8K-F	0.295 (7.5)	0.610 (15.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
2.200	DME2W2P2K-F	0.354 (9.0)	0.669 (17.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
2.700	DME2W2P7K-F	0.394 (10.0)	0.689 (17.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
3.300	DME2W3P3K-F	0.413 (10.5)	0.748 (19.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
3.900	DME2W3P9K-F	0.443 (11.2)	0.807 (20.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
4.700	DME2W4P7K-F	0.492 (12.5)	0.886 (22.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	7
5.600	DME2W5P6K-F	0.492 (12.5)	0.846 (21.5)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	6
6.800	DME2W6P8K-F	0.531 (13.5)	0.886 (22.5)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	6
8.200	DME2W8P2K-F	0.590 (15.0)	0.945 (24.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	6
10.000	DME2W10K-F	0.630 (16.0)	1.024 (26.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	6
400 Vdc							
0.010	DME4S1K-F	0.169 (4.3)	0.291 (7.4)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.012	DME4S12K-F	0.173 (4.4)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.015	DME4S15K-F	0.173 (4.4)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.018	DME4S18K-F	0.173 (4.4)	0.295 (7.5)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.022	DME4S22K-F	0.189 (4.8)	0.311 (7.9)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.027	DME4S27K-F	0.217 (5.5)	0.315 (8.0)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.033	DME4S33K-F	0.236 (6.0)	0.354 (9.0)	0.406 (10.3)	0.295 (7.5)	0.024 (0.6)	46
0.039	DME4S39K-F	0.193 (4.9)	0.315 (8.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	30
0.047	DME4S47K-F	0.217 (5.5)	0.335 (8.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	30
0.056	DME4S56K-F	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. (µF)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S ±.04 (±1.0) Inches (mm)	d Inches (mm)	dV/dt V/µs
400 Vdc							
0.068	DME4S68K-F	0.236 (6.0)	0.413 (10.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	30
0.082	DME4S82K-F	0.248 (6.3)	0.433 (11.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	30
0.100	DME4P1K-F	0.256 (6.5)	0.472 (12.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	30
0.120	DME4P12K-F	0.217 (5.5)	0.394 (10.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	17
0.150	DME4P15K-F	0.217 (5.5)	0.488 (12.4)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	17
0.180	DME4P18K-F	0.217 (5.5)	0.492 (12.5)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	17
0.220	DME4P22K-F	0.256 (6.5)	0.512 (13.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	17
0.270	DME4P27K-F	0.256 (6.5)	0.563 (14.3)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	17
0.330	DME4P33K-F	0.295 (7.5)	0.587 (14.9)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	17
0.390	DME4P39K-F	0.295 (7.5)	0.606 (15.4)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	17
0.470	DME4P47K-F	0.327 (8.3)	0.669 (17.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	17
0.560	DME4P56K-F	0.276 (7.0)	0.630 (16.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	11
0.680	DME4P68K-F	0.295 (7.5)	0.650 (16.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	11
0.820	DME4P82K-F	0.315 (8.0)	0.689 (17.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	11
1.000	DME4W1K-F	0.335 (8.5)	0.728 (18.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	11
1.200	DME4W1P2K-F	0.374 (9.5)	0.744 (18.9)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	11
1.500	DME4W1P5K-F	0.374 (9.5)	0.748 (19.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	9
1.800	DME4W1P8K-F	0.433 (11.0)	0.807 (20.5)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	9
2.200	DME4W2P2K-F	0.453 (11.5)	0.866 (22.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	9
630 Vdc							
0.010	DME6S1K-F	0.197 (5.0)	0.315 (8.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.012	DME6S12K-F	0.197 (5.0)	0.315 (8.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.015	DME6S15K-F	0.217 (5.5)	0.335 (8.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.018	DME6S18K-F	0.217 (5.5)	0.394 (10.0)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.022	DME6S22K-F	0.217 (5.5)	0.413 (10.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.027	DME6S27K-F	0.217 (5.5)	0.429 (10.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.033	DME6S33K-F	0.256 (6.5)	0.469 (11.9)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.039	DME6S39K-F	0.236 (6.0)	0.528 (13.4)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.047	DME6S47K-F	0.276 (7.0)	0.531 (13.5)	0.492 (12.5)	0.394 (10.0)	0.024 (0.6)	66
0.056	DME6S56K-F	0.236 (6.0)	0.413 (10.5)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	33
0.068	DME6S68K-F	0.236 (6.0)	0.453 (11.5)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	33
0.082	DME6S82K-F	0.276 (7.0)	0.472 (12.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	33
0.100	DME6P1K-F	0.256 (6.5)	0.551 (14.0)	0.728 (18.5)	0.591 (15.0)	0.024 (0.6)	33
0.120	DME6P12K-F	0.256 (6.5)	0.571 (14.5)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	33
0.150	DME6P15K-F	0.315 (8.0)	0.630 (16.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	33
0.180	DME6P18K-F	0.315 (8.0)	0.630 (16.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	33
0.220	DME6P22K-F	0.374 (9.5)	0.669 (17.0)	0.728 (18.5)	0.591 (15.0)	0.032 (0.8)	33
0.270	DME6P27K-F	0.276 (7.0)	0.650 (16.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.330	DME6P33K-F	0.315 (8.0)	0.689 (17.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.390	DME6P39K-F	0.335 (8.5)	0.705 (17.9)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.470	DME6P47K-F	0.394 (10.0)	0.728 (18.5)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.560	DME6P56K-F	0.413 (10.5)	0.787 (20.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.680	DME6P68K-F	0.472 (12.0)	0.827 (21.0)	1.024 (26.0)	0.886 (22.5)	0.032 (0.8)	19
0.820	DME6P82K-F	0.453 (11.5)	0.807 (20.5)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	15
1.000	DME6W1K-F	0.512 (13.0)	0.866 (22.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	15
1.200	DME6W1P2K-F	0.531 (13.5)	0.906 (23.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	15
1.500	DME6W1P5K-F	0.630 (16.0)	0.985 (25.0)	1.220 (31.0)	1.083 (27.5)	0.032 (0.8)	15
1.800	DME6W1P8K-F	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
		Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/ μ s
2.200	DME6W2P2K-F	0.787	(20.0)	1.142	(29.0)	1.220	(31.0)	1.083	(27.5)	0.032	(0.8)	15
1000 Vdc												
0.010	DME10S1K-F	0.236	(6.0)	0.433	(11.0)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	93
0.012	DME10S12K-F	0.236	(6.0)	0.472	(12.0)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	93
0.015	DME10S15K-F	0.276	(7.0)	0.492	(12.5)	0.610	(15.5)	0.492	(12.5)	0.024	(0.6)	93
0.018	DME10S18K-F	0.295	(7.5)	0.512	(13.0)	0.610	(15.5)	0.492	(12.5)	0.032	(0.8)	93
0.022	DME10S22K-F	0.295	(7.5)	0.610	(15.5)	0.610	(15.5)	0.492	(12.5)	0.032	(0.8)	93
0.027	DME10S27K-F	0.236	(6.0)	0.512	(13.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.033	DME10S33K-F	0.256	(6.5)	0.551	(14.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.039	DME10S39K-F	0.276	(7.0)	0.571	(14.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.047	DME10S47K-F	0.295	(7.5)	0.610	(15.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.056	DME10S56K-F	0.295	(7.5)	0.669	(17.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.068	DME10S68K-F	0.335	(8.5)	0.709	(18.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.082	DME10S82K-F	0.354	(9.0)	0.728	(18.5)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.100	DME10P1K-F	0.394	(10.0)	0.787	(20.0)	0.827	(21.0)	0.689	(17.5)	0.032	(0.8)	104
0.120	DME10P12K-F	0.354	(9.0)	0.728	(18.5)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.150	DME10P15K-F	0.394	(10.0)	0.787	(20.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.180	DME10P18K-F	0.413	(10.5)	0.866	(22.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70
0.220	DME10P22K-F	0.472	(12.0)	0.906	(23.0)	1.024	(26.0)	0.886	(22.5)	0.032	(0.8)	70

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