

CORNELL DUBILIER Film Capacitors

CDE CORNELL DUBILIER

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DME SERIES - MINIATURE METALLIZED POLYESTER RADIAL DIPPED CAPACITORS

Type DME radial-leaded, mini-dipped capacitors deliver 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 DME the choice for all but higher current AC applications where the larger size may be an advantage. DME self heals shorts caused by overvoltage transients. For small size and low cost, DME is tops.

Specifications:

- Voltage range: 100-1000VDC (65-250VAC)
- Capacitance range: .01-10µF
- Capacitance tolerance: ± 10%
- Operating temperature range: -55°C to 125°C full-rated voltage @ 85°C - Derate linearly to 50% - rated voltage @ 125°C
- Dielectric strength: 150%
- Dissipation Factor: 1% max.
- Insulation resistance: 3,000MΩ x µF, 9,000MΩ min.
- Life test: 1,000 hours at 85°C @ 125% rated voltage

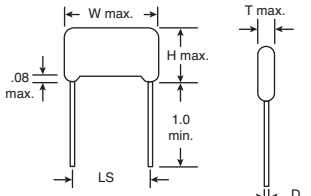
Features:

- Significant size reduction and performance characteristics comparable to other film capacitors that are in larger case sizes
- DME self heals shorts caused by overvoltage transients
- Small size/low cost



RoHS Compliant

DIMENSIONS: in.



Cross Reference	
Cornell Dubilier DME Series	Panasonic ECQE----F

Rated Volts	Pulse Capability				
	Body Length				
	.408	.472	.728	1.024	1.220
	dV/dt-volts per microsecond, maximum				
100	25	16	10	6	---
250	31	20	12	7	6
400	46	30	17	11	9
630	101	66	33	19	15
1000	---	93	104	70	---

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dimensions: in.						Price Each			
			W	H	T	D	LS	1	10	100		
100 VDC (65 VAC)												
5989-100V.56-F	DME1P56K-F	.56	.472	.429	.217	.024	.394	.74	.566	.534		
5989-100V.82-F	DME1P82K-F	.82	.472	.469	.236	.024	.394	.77	.618	.536		
5989-100V.10-F	DME1W1K-F	1.0	.472	.551	.264	.024	.394	.75	.677	.576		
5989-100V1.2-F	DME1W1P2K-F	1.2	.728	.504	.217	.024	.591	1.01	.777	.687		
5989-100V1.5-F	DME1W1P5K-F	1.5	.728	.528	.236	.032	.591	1.15	.898	.766		
5989-100V1.8-F	DME1W1P8K-F	1.8	.728	.567	.278	.032	.591	1.31	1.01	.889		
5989-100V2.2-F	DME1W2P2K-F	2.2	.728	.591	.276	.032	.591	1.45	1.12	.969		
5989-100V2.7-F	DME1W2P7K-F	2.7	.728	.622	.315	.032	.591	1.64	1.26	1.09		
5989-100V3.3-F	DME1W3P3K-F	3.3	.728	.65	.335	.032	.591	2.12	1.63	1.41		
5989-100V3.9-F	DME1W3P9K-F	3.9	1.024	.646	.276	.032	.886	2.43	1.87	1.73		
5989-100V4.7-F	DME1W4P7K-F	4.7	1.024	.669	.295	.032	.886	2.72	2.10	1.82		
5989-100V5.6-F	DME1W5P6K-F	5.6	1.024	.689	.327	.032	.886	3.07	2.36	2.02		
5989-100V6.8-F	DME1W6P8K-F	6.8	1.024	.728	.354	.032	.886	3.67	2.83	2.42		
5989-100V10.0-F	DME1W10K-F	10.0	1.024	.827	.453	.032	.886	5.50	4.25	3.74		

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MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dimensions: in.						Price Each			
			W	H	T	D	LS	1	10	100		
400 VDC (200 VAC) (Cont.)												
5989-400V.033-F	DME4S33K-F	.033	.406	.354	.236	.024	.295	.72	.428	.401		
5989-400V.039-F	DME4S39K-F	.039	.472	.315	.193	.024	.394	.75	.448	.419		
5989-400V.047-F	DME4S47K-F	.047	.472	.327	.197	.024	.394	.75	.448	.419		
5989-400V.056-F	DME4S56K-F	.056	.472	.394	.197	.024	.394	.75	.448	.414		
5989-400V.068-F	DME4S68K-F	.068	.472	.413	.213	.024	.394	.78	.479	.434		
5989-400V.1-F	DME4P1K-F	.10	.472	.472	.248	.024	.394	.75	.448	.414		
5989-400V.12-F	DME4P12K-F	.12	.728	.394	.197	.024	.591	.81	.488	.461		
5989-400V.22-F	DME4P22K-F	.22	.728	.512	.232	.024	.591	1.15	.697	.619		
5989-400V.33-F	DME4P33K-F	.33	.728	.587	.276	.032	.591	1.26	.767	.701		
5989-400V.47-F	DME4P47K-F	.47	.728	.669	.307	.032	.591	1.46	.898	.856		
5989-400V.56-F	DME4P56K-F	.56	1.024	.63	.278	.032	.886	1.64	.985	.917		
5989-400V.68-F	DME4P68K-F	.68	1.024	.65	.276	.032	.886	1.81	1.09	1.02		
5989-400V1.0-F	DME4W1K-F	1.0	1.024	.709	.335	.032	.886	2.36	1.66	1.29		
5989-400V1.2-F	DME4W1P2K-F	1.2	1.024	.744	.374	.032	.886	3.00	1.83	1.64		
5989-400V1.5-F	DME4W1P5K-F	1.5	1.22	.748	.374	.032	1.083	3.24	1.97	1.83		
5989-400V2.2-F	DME4W2P2K-F	2.2	1.22	.866	.433	.032	1.083	4.42	2.68	2.43		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dimensions: in.						Price Each			
			W	H	T	D	LS	1	10	100		
250 VDC (160 VAC)												
5989-250V.01-F	DME2S1K-F	.01	.406	.291	.169	.024	.295	.47	.278	.26		
5989-250V.012-F	DME2S12K-F	.012	.406	.295	.173	.024	.295	.47	.289	.26		
5989-250V.015-F	DME2S15K-F	.015	.406	.295	.173	.024	.295	.47	.289	.26		
5989-250V.022-F	DME2S22K-F	.022	.406	.295	.173	.024	.295	.47	.278	.26		
5989-250V.027-F	DME2S27K-F	.027	.406	.295	.177	.024	.295	.47	.278	.257		
5989-250V.033-F	DME2S33K-F	.033	.406	.295	.177	.024	.295	.47	.289	.245		
5989-250V.039-F	DME2S39K-F	.039	.406	.295	.177	.024	.295	.50	.31	.263		
5989-250V.047-F	DME2S47K-F	.047	.406	.295	.177	.024	.295	.47	.289	.245		
5989-250V.056-F	DME2S56K-F	.056	.406	.311	.189	.024	.295	.50	.298	.272		
5989-250V.068-F	DME2S68K-F	.068	.406	.295	.177	.024	.295	.51	.309	.263		
5989-250V.1-F	DME2P1K-F	.10	.406	.331	.228	.024	.295	.58	.39	.348		
5989-250V.12-F	DME2P12K-F	.12	.406	.354	.236	.024	.295	.62	.389	.373		
5989-250V.15-F	DME2P15K-F	.15	.406	.425	.236	.024	.295	.64	.409	.365		
5989-250V.22-F	DME2P22K-F	.22	.472	.413	.217	.024	.394	.68	.408	.369		
5989-250V.33-F	DME2P33K-F	.33	.472	.472	.278	.024	.394	.75	.469	.398		
5989-250V.39-F	DME2P39K-F	.39	.728	.472	.193	.024	.591	.81	.509	.466		
5989-250V.47-F	DME2P47K-F	.47	.728	.492	.209	.024	.591	.89	.569	.486		
5989-250V.56-F	DME2P56K-F	.56	.728	.512	.217	.024	.591	.98	.618	.562		
5989-250V.68-F	DME2P68K-F	.68	.728	.531	.236	.032	.591	1.08	.689	.644		
5989-250V.82-F	DME2P82K-F	.82	.728	.571	.278	.032	.591	1.19	.738	.64		
5989-250V1.0-F	DME2W1K-F	1.0	.728	.591	.291	.032	.591	1.26	.777	.744		
5989-250V1.2-F	DME2W1P2K-F	1.2	.728	.626	.315	.032	.591	1.39	.941	.831		
5989-250V1.5-F	DME2W1P5K-F	1.5	.728	.661	.354	.032	.591	1.74	1.06	.954		
5989-250V1.8-F	DME2W1P8K-F	1.8	1.024	.61	.295	.032	.886	1.95	1.20	1.01		
5989-250V2.2-F	DME2W2P2K-F	2.2	1.024	.642	.335	.032	.886	2.12	1.43	1.25		
5989-250V2.7-F	DME2W2P7K-F	2.7	1.024	.669	.37	.032	.886	2.39	1.47	1.23		
5989-250V3.3-F	DME2W3P3K-F	3.3	1.024	.709	.406	.032	.886	2.94	1.83	1.59		
5989-250V3.9-F	DME2W3P9K-F	3.9	1.024	.807	.433	.032	.886	3.68	2.91	2.43		
5989-250V4.7-F	DME2W4P7K-F	4.7	1.024	.846	.472	.032	.886	5.23	3.69	2.87		
5989-250V5.6-F	DME2W5P6K-F	5.6	1.22	.827	.465	.032	1.083	6.61	4.46	3.92		
5989-250V6.8-F	DME2W6P8K-F	6.8	1.22	.882	.512	.032	1.083	7.21	4.07	3.41		
5989-250V10.0-F	DME2W10K-F	10.0	1.22	1.016	.626	.032	1.083	9.93	6.18	5.77		

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			W	H	T	D	LS	1	10	100		
630 VDC (250 VAC)												
5989-630V.01-F	DME6S1K-F	.01	.472	.295	.177	.024	.394	.57	.348	.292		
5989-630V.015-F	DME6S15K-F	.015	.472	.323	.197	.024	.394	.61	.368	.313		
5989-630V.022-F	DME6S22K-F	.022	.472	.413	.209	.024	.394	.64	.388	.354		
5989-630V.033-F	DME6S33K-F	.033	.472	.469	.236	.024	.394	.71	.439	.391		
5989-630V.039-F	DME6S39K-F	.039	.472	.528	.236	.024	.394	.46	.397	.357		
5989-630V.047-F	DME6S47K-F	.047	.472	.531	.278	.024	.394	.75	.448	.414		
5989-630V.056-F	DME6S56K-F	.056	.728	.413	.213	.024	.591	.78	.479	.412		
5989-630V.068-F	DME6S68K-F	.068	.728	.433	.228	.024	.591	.85	.519	.449		
5989-630V.082-F	DME6S82K-F	.082	.728	.472	.278	.024	.591	.88	.528	.472		
5989-630V1.0-F	DME6P1K-F	.10	.728	.551	.248	.024	.591	.99	.608	.51		
5989-630V.12-F	DME6P12K-F	.12	.728	.571	.248	.024	.591	1.08	.668	.561		
5989-630V.15-F	DME6P15K-F	.15	.728	.606	.295	.032	.591	1.23	.748	.704		
5989-630V.22-F	DME6P22K-F											