Type DMT, Polyester Film Capacitors

Film/Foil
Radial Leads

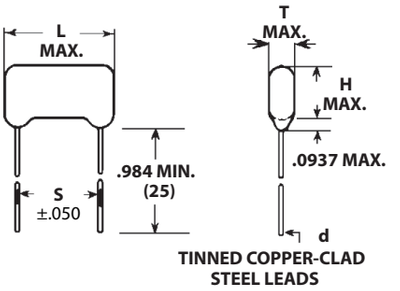


General Purpose, High Peak Currents, High Insulation Resistance

Type DMT radial-leaded, polyester film/foil noninductively wound film capacitors feature compact size and moisture-resistive epoxy coating. High insulation resistance and low dissipation factor, **Type DMT** is an ideal choice for most applications, especially with high peak currents.

Specifications

Voltage Range: 100-600 Vdc
Capacitance Range: .001-.68 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: 250% (1 minute)
Dissipation Factor: 1% Max. (25 °C, 1 kHz)
Insulation Resistance: 30,000 MΩ x µF
100,000 MΩ Min.
Life Test: 500 Hours at 85 °C at 125% Rated Voltage



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

Ratings

RoHS Compliant

Cap.	Catalog	T		H		L		S		d		dV/dt
(µF)	Part Number	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/µs
						100 Vdc						
0.0010	DMT1D1K-F	0.197	(5.0)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0015	DMT1D15K-F	0.200	(5.1)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0022	DMT1D22K-F	0.210	(5.3)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0033	DMT1D33K-F	0.210	(5.3)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0047	DMT1D47K-F	0.210	(5.3)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0068	DMT1D68K-F	0.210	(5.3)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0100	DMT1S1K-F	0.220	(5.6)	0.354	(9.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0150	DMT1S15K-F	0.220	(5.6)	0.370	(9.4)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0220	DMT1S22K-F	0.256	(6.5)	0.390	(9.9)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	4550
0.0330	DMT1S33K-F	0.250	(6.3)	0.350	(8.9)	0.560	(14.2)	0.400	(10.2)	0.032	(0.8)	3300
0.0470	DMT1S47K-F	0.260	(6.6)	0.433	(11.0)	0.560	(14.2)	0.420	(10.7)	0.032	(0.8)	3300
0.0680	DMT1S68K-F	0.275	(7.0)	0.460	(11.7)	0.560	(14.2)	0.420	(10.7)	0.032	(0.8)	3300
0.1000	DMT1P1K-F	0.290	(7.4)	0.445	(11.3)	0.682	(17.3)	0.545	(13.8)	0.032	(0.8)	2100
0.1500	DMT1P15K-F	0.350	(8.9)	0.490	(12.4)	0.682	(17.3)	0.545	(13.8)	0.032	(0.8)	2100
0.2200	DMT1P22K-F	0.360	(9.1)	0.520	(13.2)	0.820	(20.8)	0.670	(17.0)	0.032	(0.8)	1600
0.3300	DMT1P33K-F	0.390	(9.9)	0.560	(14.2)	0.942	(23.9)	0.795	(20.2)	0.032	(0.8)	1600
0.4700	DMT1P47K-F	0.420	(10.7)	0.600	(15.2)	1.080	(27.4)	0.920	(23.4)	0.032	(0.8)	1050

RoHS Compliant

Cap.	Catalog	T		H		L		S		d		dV/dt
(µF)	Part Number	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/µs
0.5000	DMT1P5K-F	0.530	(13.5)	0.690	(17.5)	1.102	(28.0)	0.920	(23.4)	0.032	(0.8)	1050
0.6800	DMT1P68K-F	0.480	(12.2)	0.690	(17.5)	1.140	(28.9)	0.985	(25.0)	0.032	(0.8)	1050
1.0000	DMT1W1K-F	0.520	(13.2)	0.730	(18.5)	1.330	(33.8)	1.170	(29.7)	0.032	(0.8)	800
					200/250 Vdc							
0.0010	DMT2D1K-F	0.217	(5.5)	0.374	(9.5)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0015	DMT2D15K-F	0.217	(5.5)	0.374	(9.5)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0022	DMT2D22K-F	0.217	(5.5)	0.374	(9.5)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0033	DMT2D33K-F	0.217	(5.5)	0.374	(9.5)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0047	DMT2D47K-F	0.236	(6.0)	0.394	(10.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0068	DMT2D68K-F	0.236	(6.0)	0.394	(10.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0100	DMT2S1K-F	0.236	(6.0)	0.394	(10.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0150	DMT2S15K-F	0.236	(6.0)	0.395	(10.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0220	DMT2S22K-F	0.275	(7.0)	0.433	(11.0)	0.512	(13.0)	0.394	(10.0)	0.024	(0.6)	6000
0.0330	DMT2S33K-F	0.295	(7.5)	0.453	(11.0)	0.694	(17.6)	0.545	(13.8)	0.024	(0.6)	3000
0.0470	DMT2S47K-F	0.295	(7.5)	0.472	(12.0)	0.694	(17.6)	0.545	(13.8)	0.024	(0.6)	3000
0.0680	DMT2S68K-F	0.335	(8.5)	0.512	(13.0)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	3000
0.1000	DMT2P1K-F	0.354	(9.0)	0.512	(13.0)	0.820	(20.8)	0.670	(17.0)	0.032	(0.8)	2100
0.1500	DMT2P15K-F	0.394	(10.0)	0.571	(14.5)	0.820	(20.8)	0.670	(17.0)	0.032	(0.8)	2100
0.2200	DMT2P22K-F	0.413	(10.5)	0.630	(16.0)	0.945	(24.0)	0.795	(20.2)	0.032	(0.8)	2100
0.3300	DMT2P33K-F	0.492	(12.5)	0.689	(17.5)	0.945	(24.0)	0.795	(20.2)	0.032	(0.8)	2100
0.4700	DMT2P47K-F	0.531	(13.5)	0.728	(18.5)	1.110	(28.2)	0.920	(23.4)	0.032	(0.8)	1360
0.6800	DMT2P68K-F	0.630	(16.0)	0.827	(21.0)	1.132	(28.7)	0.984	(25.0)	0.032	(0.8)	1360
					400 Vdc							
0.0010	DMT4D1K-F	0.197	(5.0)	0.354	(9.0)	0.569	(14.4)	0.400	(10.2)	0.024	(0.6)	14400
0.0015	DMT4D15K-F	0.221	(5.6)	0.356	(9.0)	0.569	(14.4)	0.400	(10.2)	0.024	(0.6)	14400
0.0022	DMT4D22K-F	0.221	(5.6)	0.356	(9.0)	0.569	(14.4)	0.400	(10.2)	0.024	(0.6)	14400
0.0033	DMT4D33K-F	0.221	(5.6)	0.374	(9.5)	0.569	(14.4)	0.400	(10.2)	0.024	(0.6)	14400
0.0047	DMT4D47K-F	0.241	(6.1)	0.394	(10.0)	0.569	(14.4)	0.400	(10.2)	0.024	(.6)	14400
0.0068	DMT4D68K-F	0.286	(7.3)	0.411	(10.4)	0.569	(14.4)	0.400	(10.2)	0.024	(0.6)	14400
0.0100	DMT4S1K-F	0.331	(8.4)	0.456	(11.6)	0.569	(14.4)	0.400	(10.2)	0.032	(0.8)	14400
0.0150	DMT4S15K-F	0.368	(9.3)	0.534	(13.6)	0.569	(14.4)	0.400	(10.2)	0.032	(0.8)	14400
0.0220	DMT4S22K-F	0.328	(8.3)	0.479	(12.2)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	7200
0.0330	DMT4S33K-F	0.388	(9.9)	0.539	(13.7)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	7200
0.0470	DMT4S47K-F	0.338	(8.6)	0.534	(13.6)	0.882	(22.4)	0.733	(18.6)	0.032	(0.8)	4100
0.0680	DMT4S68K-F	0.397	(10.1)	0.593	(15.1)	0.882	(22.4)	0.733	(18.6)	0.032	(0.8)	4100
0.1000	DMT4P1K-F	0.472	(12.0)	0.668	(17.0)	0.882	(22.4)	0.733	(18.6)	0.032	(0.8)	4100
0.1500	DMT4P15K-F	0.408	(10.4)	0.810	(20.6)	1.069	(27.1)	0.920	(23.4)	0.032	(0.8)	2900
0.2200	DMT4P22K-F	0.418	(10.6)	0.811	(20.6)	1.319	(33.5)	1.170	(29.7)	0.032	(0.8)	2100
0.3300	DMT4P33K-F	0.415	(10.5)	0.844	(21.4)	1.569	(39.8)	1.420	(36.1)	0.032	(0.8)	2100
0.4700	DMT4P47K-F	0.541	(13.7)	0.934	(23.7)	1.569	(39.8)	1.420	(36.1)	0.032	(0.8)	2100
					600/630 Vdc							
0.0010	DMT6D1K-F	0.218	(5.5)	0.326	(8.3)	0.694	(17.6)	0.545	(13.8)	0.024	(0.6)	15000
0.0015	DMT6D15K-F	0.221	(5.6)	0.329	(8.4)	0.694	(17.6)	0.545	(13.8)	0.024	(0.6)	15000
0.0022	DMT6D22K-F	0.251	(6.4)	0.359	(9.1)	0.694	(17.6)	0.545	(13.8)	0.024	(0.6)	15000
0.0033	DMT6D33K-F	0.251	(6.4)	0.376	(9.5)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	15000
0.0047	DMT6D47K-F	0.284	(7.2)	0.409	(10.4)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	15000

Type DMT, Polyester Film Capacitors

RoHS Compliant

Cap.	Catalog	T		H		L		S		d		dV/dt
(µF)	Part Number	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	V/µs
					600/630 Vdc							
0.0068	DMT6D68K-F	0.313	(7.9)	0.464	(11.8)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	15000
0.0100	DMT6S1K-F	0.364	(9.2)	0.515	(13.1)	0.694	(17.6)	0.545	(13.8)	0.032	(0.8)	15000
0.0150	DMT6S15K-F	0.342	(8.7)	0.508	(12.9)	0.820	(20.8)	0.670	(17.0)	0.032	(0.8)	7400
0.0220	DMT6S22K-F	0.402	(10.2)	0.568	(14.4)	0.820	(20.8)	0.670	(17.0)	0.032	(0.8)	7400
0.0330	DMT6S33K-F	0.443	(11.2)	0.609	(15.5)	0.882	(22.4)	0.733	(18.6)	0.032	(0.8)	7400
0.0470	DMT6S47K-F	0.519	(13.2)	0.685	(17.4)	0.882	(22.4)	0.733	(18.6)	0.032	(0.8)	7400
0.0680	DMT6S68K-F	0.453	(11.5)	0.649	(16.5)	1.194	(30.3)	1.045	(26.5)	0.032	(0.8)	4000
0.1000	DMT6P1K-F	0.541	(13.7)	0.737	(18.7)	1.194	(30.3)	1.045	(26.5)	0.032	(0.8)	4000
0.1500	DMT6P15K-F	0.656	(16.7)	0.926	(23.5)	1.194	(30.3)	1.045	(26.5)	0.032	(0.8)	4000
0.2200	DMT6P22K-F	0.630	(16.0)	1.024	(26.0)	1.444	(36.7)	1.295	(32.9)	0.032	(0.8)	3000
0.3300	DMT6P33K-F	0.650	(16.5)	1.010	(25.6)	1.819	(46.2)	1.670	(42.4)	0.032	(0.8)	3000
0.4700	DMT6P47K-F	0.739	(18.8)	1.132	(28.7)	1.819	(46.2)	1.670	(42.4)	0.032	(0.8)	3000

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