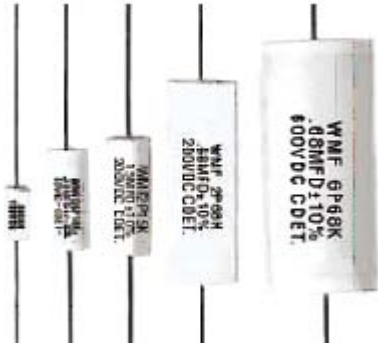


Type WMF Polyester Film Capacitors

Film/Foil Axial Leads



Commercial, Industrial Applications

Type WMF axial-leaded, polyester film/foil capacitors, available in a wide range of capacitance and voltage ratings, offer excellent moisture resistance capability with extended foil, non-inductive wound sections, epoxy sealed ends and a sealed outer wrapper. Like the Type DMT, Type WMF is an ideal choice for most applications, especially those with high peak currents.

Specifications

Voltage Range: 50—630 Vdc (35-250 Vac, 60 Hz)

Capacitance Range: .001—5 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: 250% (1 minute)

Dissipation Factor: .75% Max. (25 °C, 1 kHz)

Insulation Resistance: 30,000 M Ω x μ F
100,000 M Ω Min.

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

1.50" (38.1mm) L MAX. 1.50" (38.1mm) MAX. D

d TINNED COPPER-CLAD STEEL LEADS

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

Ratings and Dimensions

RoHS Compliant

Cap. (μ F)	Catalog Part Number	D (inches) (mm)	L (inches) (mm)	d (inches) (mm)	dV/dt V/ μ s
50 Vdc (35 Vac)					
0.0820	WMF05S82K-F	0.280 (7.1)	0.812 (20.6)	0.020 (0.5)	1500
0.1000	WMF05P1K-F	0.280 (7.1)	0.812 (20.6)	0.020 (0.5)	1500
0.1500	WMF05P15K-F	0.315 (8.0)	0.812 (20.6)	0.024 (0.6)	1500
0.2200	WMF05P22K-F	0.360 (9.1)	0.812 (20.6)	0.024 (0.6)	1500
0.2700	WMF05P27K-F	0.422 (10.7)	0.812 (20.6)	0.024 (0.6)	1500
0.3300	WMF05P33K-F	0.430 (10.9)	0.812 (20.6)	0.024 (0.6)	1500
0.3900	WMF05P39K-F	0.405 (10.3)	1.062 (27.0)	0.024 (0.6)	920
0.4700	WMF05P47K-F	0.407 (10.3)	1.062 (27.0)	0.024 (0.6)	920
0.5000	WMF05P5K-F	0.427 (10.8)	1.062 (27.0)	0.024 (0.6)	920
0.5600	WMF05P56K-F	0.482 (12.2)	1.062 (27.0)	0.024 (0.6)	920
0.6800	WMF05P68K-F	0.522 (13.3)	1.062 (27.0)	0.024 (0.6)	920
0.8200	WMF05P82K-F	0.567 (14.4)	1.062 (27.0)	0.024 (0.6)	920
1.0000	WMF05W1K-F	0.562 (14.3)	1.375 (34.9)	0.024 (0.6)	660
1.2500	WMF05W1P25K-F	0.575 (14.6)	1.375 (34.9)	0.032 (0.8)	660
1.5000	WMF05W1P5K-F	0.645 (16.4)	1.375 (34.9)	0.032 (0.8)	660
2.0000	WMF05W2K-F	0.662 (16.8)	1.625 (41.3)	0.032 (0.8)	660
3.0000	WMF05W3K-F	0.792 (20.1)	1.625 (41.3)	0.040 (1.0)	660
4.0000	WMF05W4K-F	0.822 (20.9)	1.825 (46.3)	0.040 (1.0)	310
5.0000	WMF05W5K-F	0.912 (23.2)	1.825 (46.3)	0.040 (1.0)	310
100 Vdc (65 Vac)					
0.0010	WMF1D1K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0015	WMF1D15K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300

Cap. (μ F)	Catalog Part Number	D (inches) (mm)	L (inches) (mm)	d (inches) (mm)	dV/dt V/ μ s
0.0022	WMF1D22K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0027	WMF1D27K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0033	WMF1D33K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0039	WMF1D39K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0047	WMF1D47K-F	0.188 (5.0)	0.562 (14.3)	0.020 (0.5)	6300
0.0050	WMF1D5K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0056	WMF1D56K-F	0.188 (4.8)	0.562 (14.3)	0.020 (0.5)	6300
0.0068	WMF1D68K-F	0.200 (5.1)	0.562 (14.3)	0.020 (0.5)	6300
0.0082	WMF1D82K-F	0.200 (5.1)	0.562 (14.3)	0.020 (0.5)	6300
0.0100	WMF1S1K-F	0.200 (5.1)	0.562 (14.3)	0.020 (0.5)	6300
0.0150	WMF1S15K-F	0.245 (6.2)	0.562 (14.3)	0.020 (0.5)	6300
0.0220	WMF1S22K-F	0.236 (6.0)	0.687 (17.4)	0.024 (0.6)	3200
0.0270	WMF1S27K-F	0.235 (6.0)	0.687 (17.4)	0.024 (0.6)	3200
0.0330	WMF1S33K-F	0.256 (6.5)	0.687 (17.4)	0.024 (0.6)	3200
0.0390	WMF1S39K-F	0.240 (6.1)	0.812 (20.6)	0.024 (0.6)	2100
0.0470	WMF1S47K-F	0.255 (6.5)	0.812 (20.6)	0.024 (0.6)	2100
0.0500	WMF1S5K-F	0.260 (6.6)	0.812 (20.6)	0.024 (0.6)	2100
0.0560	WMF1S56K-F	0.265 (6.7)	0.812 (20.6)	0.024 (0.6)	2100
0.0680	WMF1S68K-F	0.295 (7.5)	0.812 (20.6)	0.024 (0.6)	2100
0.0820	WMF1S82K-F	0.275 (7.0)	0.937 (23.8)	0.024 (0.6)	1600
0.1000	WMF1P1K-F	0.335 (8.5)	0.937 (23.8)	0.024 (0.6)	1600
0.1500	WMF1P15K-F	0.340 (8.6)	0.937 (23.8)	0.024 (0.6)	1600
0.2200	WMF1P22K-F	0.374 (9.5)	1.062 (27.0)	0.024 (0.6)	1600

