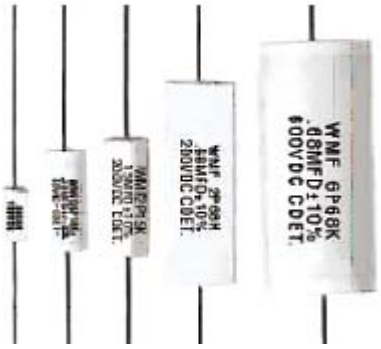
Type WMF Polyester Film Capacitors

Film/Foil Axial Leads

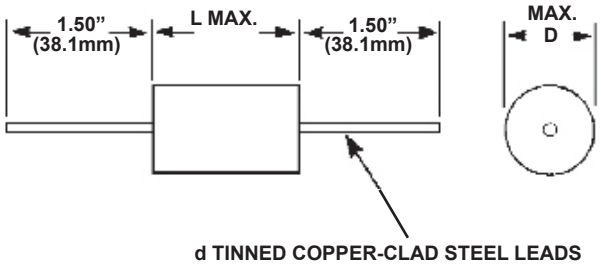


Commercial, Industrial Applications

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 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: .75% Max. (25 °C, 1 kHz)
Insulation Resistance: 30,000 MΩ x µF
100,000 M Ω 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 and Dimensions

RoHS Compliant

Cap. (µF)	Catalog Part Number	D (inches)	D (mm)	L (inches)	L (mm)	d (inches)	d (mm)	dV/dt V/µs
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
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

Type WMF Polyester Film Capacitors

Cap. (µF)	Catalog Part Number	D (inches)	D (mm)	L (inches)	L (mm)	d (inches)	d (mm)	dV/dt V/µs
.2700	WMF1P27K-F	0.375	(9.5)	1.187	(30.1)	0.024	(0.6)	1600
.3300	WMF1P33K-F	0.413	(10.5)	1.187	(30.1)	0.024	(0.6)	1600
.3900	WMF1P39K-F	0.430	(10.9)	1.187	(30.1)	0.024	(0.6)	1600
.4700	WMF1P47K-F	0.492	(12.5)	1.250	(31.7)	0.024	(0.6)	840
.5000	WMF1P5K-F	0.460	(11.7)	1.250	(31.7)	0.024	(0.6)	840
.5600	WMF1P56K-F	0.485	(12.3)	1.250	(31.7)	0.032	(0.8)	840
.6800	WMF1P68K-F	0.570	(14.5)	1.250	(31.7)	0.032	(0.8)	840
.8200	WMF1P82K-F	0.540	(13.7)	1.412	(35.9)	0.032	(0.8)	840
1.0000	WMF1W1K-F	0.669	(17.0)	1.500	(38.1)	0.040	(1.0)	840
1.2500	WMF1W1P25K-F	0.645	(16.4)	1.500	(38.1)	0.040	(1.0)	840
1.5000	WMF1W1P5K-F	0.735	(18.7)	1.625	(41.3)	0.040	(1.0)	840
2.0000	WMF1W2K-F	0.835	(21.2)	1.625	(41.3)	0.040	(1.0)	840
		200/250 Vdc (125 Vac)						
.0010	WMF2D1K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0015	WMF2D15K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0022	WMF2D22K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0027	WMF2D27K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0033	WMF2D33K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0039	WMF2D39K-F	0.188	(4.8)	0.562	(14.3)	0.020	(0.5)	7500
.0047	WMF2D47K-F	0.202	(5.1)	0.562	(14.3)	0.020	(0.5)	7500
.0050	WMF2D5K-F	0.202	(5.1)	0.562	(14.3)	0.020	(0.5)	7500
.0056	WMF2D56K-F	0.202	(5.1)	0.562	(14.3)	0.020	(0.5)	7500
.0068	WMF2D68K-F	0.202	(5.1)	0.562	(14.3)	0.020	(0.5)	7500
.0082	WMF2D82K-F	0.215	(5.5)	0.562	(14.3)	0.020	(0.5)	7500
.0100	WMF2S1K-F	0.230	(5.8)	0.562	(14.3)	0.020	(0.5)	7500
.0150	WMF2S15K-F	0.265	(6.7)	0.562	(14.3)	0.024	(0.6)	7500
.0220	WMF2S22K-F	0.260	(6.6)	0.687	(17.4)	0.024	(0.6)	3700
.0270	WMF2S27K-F	0.260	(6.6)	0.687	(17.4)	0.024	(0.6)	3700
.0330	WMF2S33K-F	0.275	(7.0)	0.812	(20.6)	0.024	(0.6)	2500
.0390	WMF2S39K-F	0.295	(7.5)	0.812	(20.6)	0.024	(0.6)	2500
.0470	WMF2S47K-F	0.295	(7.5)	0.812	(20.6)	0.024	(0.6)	2500
.0560	WMF2S56K-F	0.295	(7.5)	0.812	(20.6)	0.024	(0.6)	2500
.0680	WMF2S68K-F	0.315	(8.0)	0.812	(20.6)	0.024	(0.6)	2500
.0820	WMF2S82K-F	0.300	(7.6)	0.937	(23.8)	0.024	(0.6)	1900
.1000	WMF2P1K-F	0.320	(8.1)	0.937	(23.8)	0.024	(0.6)	1900
.1500	WMF2P15K-F	0.375	(9.5)	0.937	(23.8)	0.024	(0.6)	1900
.2200	WMF2P22K-F	0.413	(10.5)	1.187	(30.1)	0.024	(0.6)	1900
.2700	WMF2P27K-F	0.500	(12.7)	1.187	(30.1)	0.024	(0.6)	1900
.3300	WMF2P33K-F	0.545	(13.8)	1.260	(32.0)	0.024	(0.6)	1500
.3900	WMF2P39K-F	0.565	(14.3)	1.312	(33.3)	0.032	(0.8)	1500
.4700	WMF2P47K-F	0.610	(15.5)	1.312	(33.3)	0.032	(0.8)	1500
.5600	WMF2P56K-F	0.660	(16.8)	1.312	(33.3)	0.040	(1.0)	1500
.6800	WMF2P68K-F	0.660	(16.8)	1.625	(41.3)	0.040	(1.0)	1500
.8200	WMF2P82K-F	0.715	(18.2)	1.625	(41.3)	0.040	(1.0)	1500
1.0000	WMF2W1K-F	0.740	(18.8)	1.750	(44.4)	0.040	(1.0)	1500
1.2500	WMF2W1P25K-F	0.815	(20.7)	1.750	(44.4)	0.040	(1.0)	1500
1.5000	WMF2W1P5K-F	0.809	(20.5)	1.812	(46.0)	0.040	(1.0)	650
2.0000	WMF2W2K-F	0.965	(24.5)	1.875	(47.6)	0.040	(1.0)	650
		400 Vdc (200 Vac)						
.0010	WMF4D1K-F	0.188	(4.8)	0.687	(17.4)	0.020	(0.5)	14400
.0015	WMF4D15K-F	0.188	(4.8)	0.687	(17.4)	0.020	(0.5)	14400
.0022	WMF4D22K-F	0.188	(4.8)	0.687	(17.4)	0.020	(0.5)	14400
.0027	WMF4D27K-F	0.210	(5.3)	0.687	(17.4)	0.020	(0.5)	14400
.0033	WMF4D33K-F	0.222	(5.6)	0.687	(17.4)	0.020	(0.5)	14400
.0039	WMF4D39K-F	0.232	(5.9)	0.687	(17.4)	0.020	(0.5)	14400
.0047	WMF4D47K-F	0.236	(6.0)	0.687	(17.4)	0.020	(0.5)	14400
.0056	WMF4D56K-F	0.265	(6.7)	0.687	(17.4)	0.024	(0.6)	14400
.0068	WMF4D68K-F	0.282	(7.2)	0.687	(17.4)	0.024	(0.6)	14400
.0082	WMF4D82K-F	0.305	(7.7)	0.687	(17.4)	0.024	(0.6)	14400
.0100	WMF4S1K-F	0.330	(8.4)	0.687	(17.4)	0.024	(0.6)	14400
.0150	WMF4S15K-F	0.390	(9.9)	0.687	(17.4)	0.024	(0.6)	14400
.0220	WMF4S22K-F	0.350	(8.9)	0.812	(20.6)	0.024	(0.6)	7200
.0270	WMF4S27K-F	0.380	(9.6)	0.812	(20.6)	0.024	(0.6)	7200
.0330	WMF4S33K-F	0.375	(9.5)	0.875	(22.2)	0.024	(0.6)	6500
.0390	WMF4S39K-F	0.400	(10.2)	0.875	(22.2)	0.024	(0.6)	6500
.0470	WMF4S47K-F	0.432	(11.0)	0.875	(22.2)	0.024	(0.6)	6500
.0560	WMF4S56K-F	0.385	(9.8)	1.062	(27.0)	0.024	(0.6)	3600
.0680	WMF4S68K-F	0.405	(10.3)	1.062	(27.0)	0.024	(0.6)	3600
.0820	WMF4S82K-F	0.405	(10.3)	1.062	(27.0)	0.024	(0.6)	3600
.1000	WMF4P1K-F	0.490	(12.4)	1.062	(27.0)	0.024	(0.6)	3600
.1500	WMF4P15K-F	0.535	(13.6)	1.250	(31.7)	0.024	(0.6)	2400
.2200	WMF4P22K-F	0.595	(15.1)	1.375	(34.9)	0.032	(0.8)	2400
.2700	WMF4P27K-F	0.610	(15.5)	1.500	(38.1)	0.032	(0.8)	2400
.3300	WMF4P33K-F	0.625	(15.9)	1.625	(41.3)	0.032	(0.8)	2400
.3900	WMF4P39K-F	0.625	(15.9)	1.625	(41.3)	0.032	(0.8)	2400
.4700	WMF4P47K-F	0.730	(18.5)	1.625	(41.3)	0.040	(1.0)	2400
.5600	WMF4P56K-F	0.755	(19.2)	1.750	(44.4)	0.040	(1.0)	2400
.6800	WMF4P68K-F	0.820	(20.8)	1.750	(44.4)	0.040	(1.0)	2400
.8200	WMF4P82K-F	0.895	(22.7)	1.750	(44.4)	0.040	(1.0)	2400
1.0000	WMF4W1K-F	0.895	(22.7)	2.000	(50.8)	0.040	(1.0)	1300
1.2500	WMF4W1P25K-F	0.990	(25.1)	2.000	(50.8)	0.040	(1.0)	1300
1.5000	WMF4W1P5K-F	0.995	(25.3)	2.312	(58.7)	0.040	(1.0)	1300
		600/630 Vdc (250 Vac)						
.0010	WMF6D1K-F	0.195	(5.0)	0.812	(20.6)	0.020	(0.5)	9000
.0015	WMF6D15K-F	0.202	(5.1)	0.812	(20.6)	0.020	(0.5)	9000
.0022	WMF6D22K-F	0.216	(5.5)	0.812	(20.6)	0.020	(0.5)	9000
.0027	WMF6D27K-F	0.215	(5.5)	0.812	(20.6)	0.020	(0.5)	9000
.0033	WMF6D33K-F	0.230	(5.8)	0.812	(20.6)	0.020	(0.5)	9000
.0039	WMF6D39K-F	0.240	(6.1)	0.812	(20.6)	0.020	(0.5)	9000
.0047	WMF6D47K-F	0.260	(6.6)	0.812	(20.6)	0.020	(0.5)	9000
.0056	WMF6D56K-F	0.270	(6.9)	0.812	(20.6)	0.024	(0.6)	9000
.0068	WMF6D68K-F	0.290	(7.4)	0.812	(20.6)	0.024	(0.6)	9000
.0082	WMF6D82K-F	0.290	(7.4)	0.812	(20.6)	0.024	(0.6)	9000
.0100	WMF6S1K-F	0.290	(7.4)	0.812	(20.6)	0.024	(0.6)	9000
.0150	WMF6S15K-F	0.295	(7.5)	0.937	(23.8)	0.024	(0.6)	5800
.0220	WMF6S22K-F	0.335	(8.5)	0.937	(23.8)	0.024	(0.6)	5800
.0270	WMF6S27K-F	0.365	(9.3)	0.937	(23.8)	0.024	(0.6)	5800
.0330	WMF6S33K-F	0.394	(10.0)	1.000	(25.4)	0.024	(0.6)	5800
.0390	WMF6S39K-F	0.395	(10.0)	1.000	(25.4)	0.024	(0.6)	5800
.0470	WMF6S47K-F	0.430	(10.9)	1.000	(25.4)	0.024	(0.6)	5800
.0560	WMF6S56K-F	0.460	(11.7)	1.000	(25.4)	0.024	(0.6)	5800
.0680	WMF6S68K-F	0.500	(12.7)	1.000	(25.4)	0.032	(0.8)	5800
.0820	WMF6S82K-F	0.507	(12.9)	1.375	(34.9)	0.032	(0.8)	3700
.1000	WMF6P1K-F	0.580	(14.7)	1.375	(34.9)	0.032	(0.8)	3700
.1500	WMF6P15K-F	0.687	(17.4)	1.375	(34.9)	0.040	(1.0)	3700
.2200	WMF6P22K-F	0.722	(18.3)	1.625	(41.3)	0.040	(1.0)	3700
.2700	WMF6P27K-F	0.792	(20.1)	1.625	(41.3)	0.040	(1.0)	3700
.3300	WMF6P33K-F	0.749	(19.0)	2.000	(50.8)	0.040	(1.0)	1600
.3900	WMF6P39K-F	0.815	(20.7)	2.000	(50.8)	0.040	(1.0)	1600
.4700	WMF6P47K-F	0.885	(22.5)	2.000	(50.8)	0.040	(1.0)	1600
.5600	WMF6P56K-F	0.952	(24.2)	2.000	(50.8)	0.040	(1.0)	1600
.6800	WMF6P68K-F	1.032	(26.2)	2.000	(50.8)	0.040	(1.0)	1600
.8200	WMF6P82K-F	1.160	(29.5)	2.000	(50.8)	0.040	(1.0)	1600
1.0000	WMF6W1K-F	1.185	(30.1)	2.562	(65.1)	0.040	(1.0)	1600