



MMR

Metallized Polyester Film Capacitors

Radial Leaded, Epoxy Dipped



FEATURES

Small Size - High Voltage - General Purpose

APPLICATIONS

General Purpose - Bypass - Coupling - Blocking

Operating Temperature Range	-40°C to +105°C								
Capacitance Tolerance	±10% at 1 kHz, 25°C +5% optional								
Peak, AC voltage (50/60 Hz)	WVDC	100	250	400	630				
	VAC	63	160	200	220				
For T>+85°C, The voltage must be decreased by 1.25% per °C									
Dissipation Factor (MAX) 25°C	Frequency (kHz)	Dissipation Factor							
	1	1.0%							
	10	1.5%							
Insulation Resistance @25°C (<70% RH) for 1 minute at 100VDC applied	Capacitance	Insulation Resistance							
	≤0.33μF	9000 MΩ							
	>0.33μF	3000 MΩxμF							
Load Life	2000 Hours, +85°C with 125% of rated voltage								
	Capacitance Change	≤5% of initially measured value							
	Dissipation Factor	≤0.005 at 1kHz and 25°C							
	Insulation Resistance	≥50% of maximum specified value							
Damp Heat test	1000 Hours, 93%RH(+/-2%), +40°C and no voltage applied								
	Capacitance Change	≤5% of initially measured value							
	Dissipation Factor	≤0.005 at 1kHz and 25°C							
	Insulation Resistance	≥50% of maximum specified value							
Self Inductance	<1 nano-Henry per mm of body length and lead length								
Capacitance Drift Factor	<1.0% after 2 years at 40°C								
Capacitance Temperature Coefficient	+400 ppm/°C, ±200ppm/°C								
Dielectric Strength	Terminal to Terminal 160% of VDC applied for 2 Seconds and 25°C								
Dielectric	Polyester								
Construction	Metallized film								
Coating									

MMR

Small Size Epoxy Dipped
Metallized Polyester Radial
lead

Capacitance (μF)	WVDC	IC PART NUMBER	dv/dt (v/μ sec.)	Dims LxHxT (mm)	S (MM)	d (MM)
0.01	250	103MMR250K	80	10.3x7.4x4.3	7.5	0.6
0.01	400	103MMR400K	190	10.3x7.4x4.3	7.5	0.6
0.01	630	103MMR630K	200	12x7.5x4.5	10	0.6
0.015	250	153MMR250K	80	10.3x7.5x4.4	7.5	0.6
0.015	400	153MMR400K	190	10.3x7.5x4.4	7.5	0.6
0.015	630	153MMR630K	200	12x8.2x5	10	0.6
0.022	250	223MMR250K	80	10.3x7.5x4.4	7.5	0.6
0.022	400	223MMR400K	190	10.3x7.9x4.8	7.5	0.6
0.022	630	223MMR630K	200	12x10.5x5.3	10	0.6
0.033	250	333MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.033	400	333MMR400K	190	10.3x9x6	7.5	0.6
0.033	630	333MMR630K	200	12x11.9x6	10	0.6
0.047	250	473MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.047	400	473MMR400K	160	12x8.3x5	10	0.6
0.047	630	473MMR630K	200	12x13.5x6.5	10	0.6
0.068	250	683MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.068	400	683MMR400K	160	12x10.5x5.4	10	0.6
0.068	630	683MMR630K	90	18.5x11x5.8	15	0.8
0.1	250	104MMR250K	80	10.3x8.4x5.8	7.5	0.6
0.1	400	104MMR400K	160	12x12x6.3	10	0.6
0.1	630	104MMR630K	90	18.5x14x6.3	15	0.8
0.15	100	154MMR100K	35	10.3x7.5x4.5	7.5	0.6
0.15	250	154MMR250K	80	10.3x10.8x6	7.5	0.6
0.15	400	154MMR400K	65	18.5x12.4x5	15	0.8
0.15	630	154MMR630K	90	18.5x15.4x7.5	15	0.8
0.22	100	224MMR100K	35	10.3x8x5	7.5	0.6
0.22	250	224MMR250K	110	12x10.5x5.5		