



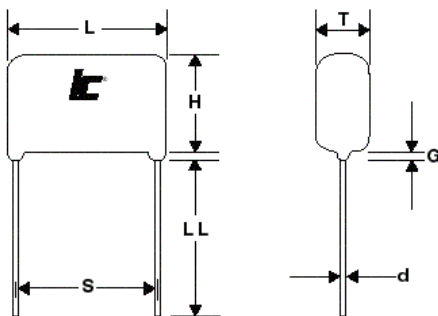
FEATURES

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) 20°C	Frequency (kHz)	Dissipation Factor			
	1	1.0%			
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, +85C 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				
	150% of VDC applied for 1 minute and 20°C				
Dielectric Construction	Polyester Metallized film				
Coating	Flame Retardant epoxy resin (UL94V0)				
Leads	Lead free tinned copper leads				



L MAX	10.3	12	18.5	26	31
S±1.0	7.5	10	15	22.5	27.5
G (MAX)	1.5	1.5	1.5	1.5	1.5
d+0.05	0.6	0.6	0.8	0.8	0.8
LL(MIN)	15	15	15	15	15

MMR

Small Size Epoxy Dipped
Metallized Polyester Radial
lead

Capacitance (µF)	IC PART NUMBER	dv/dt (v/µ sec.)	Dims LxHxT (mm)	S (MM)	d (MM)
0.01	103MMR250K	80	10.3x7.4x4.3	7.5	0.6
0.01	103MMR400K	190	10.3x7.4x4.3	7.5	0.6
0.01	103MMR630K	200	12x7.5x4.5	10	0.6
0.015	153MMR250K	80	10.3x7.5x4.4	7.5	0.6
0.015	153MMR400K	190	10.3x7.5x4.4	7.5	0.6
0.015	153MMR630K	200	12x8.2x5	10	0.6
0.022	223MMR250K	80	10.3x7.5x4.4	7.5	0.6
0.022	223MMR400K	190	10.3x7.9x4.8	7.5	0.6
0.022	223MMR630K	200	12x10.5x5.3	10	0.6
0.033	333MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.033	333MMR400K	190	10.3x9x6	7.5	0.6
0.033	333MMR630K	200	12x11.9x6	10	0.6
0.047	473MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.047	473MMR400K	160	12x8.3x5	10	0.6
0.047	473MMR630K	200	12x13.5x6.5	10	0.6
0.068	683MMR250K	80	10.3x7.5x4.5	7.5	0.6
0.068	683MMR400K	160	12x10.5x5.4	10	0.6
0.068	683MMR630K	90	18.5x11x5.8	15	0.8
0.1	104MMR250K	80	10.3x8.4x5.8	7.5	0.6
0.1	104MMR400K	160	12x12x6.3	10	0.6
0.1	104MMR630K	90	18.5x14x6.3	15	0.8
0.15	154MMR100K	35	10.3x7.5x4.5	7.5	0.6
0.15	154MMR250K	80	10.3x10.8x6	7.5	0.6
0.15	154MMR400K	65	18.5x12.4x5	15	0.8
0.15	154MMR630K	90	18.5x15.4x7.5	15	0.8
0.22	224MMR100K	35	10.3x8x5	7.5	0.6
0.22	224MMR250K	110	12x10.5x5.5	10	0.6
0.22	224MMR400K	65	18.5x13x5.9	15	0.8
0.22	224MMR630K	90	18.5x16.5x9	15	0.8
0.33	334MMR100K	35	10.3x10.7x6	7.5	0.6

Capacitance (µF)	IC PART NUMBER	dv/dt (v/µ sec.)	Dims LxHxT (mm)	S (MM)	d (MM)
0.33	334MMR250K	110	12x12x6.5	10	0.6
0.33	334MMR400K	65	18.5x14.9x7	15	0.8
0.33	334MMR630K	35	26x17x7.8	22.5	0.8
0.47	474MMR250K	45	18.5x12.5x5.3	15	0.8
0.47	474MMR400K	65	18.5x17x7.8	15	0.8
0.47	474MMR630K	35	26x18.5x9.3	22.5	0.8
0.68	684MMR100K	0	12x13x6	10	0.6
0.68	684MMR250K	45	18.5x13.5x6	15	0.8
0.68	684MMR400K	30	26x16.5x7	22.5	0.8
0.68	684MMR630K	35	26x21x11.5	22.5	0.8
1	105MMR100K	30	12x14x6.7	10	0.6
1	105MMR250K	45	18.5x15x7.4	15	0.8
1	105MMR400K	30	26x18x8.5	22.5	0.8
1	105MMR630K	30	31x21.9x12.5	27.5	0.8
1.5	155MMR100K	20	18.5x13.4x6	15	0.8
1.5	155MMR250K	45	18.5x16.8x9	15	0.8
1.5	155MMR400K	25	31x19x9.5	27.5	0.8
1.5	155MMR630K	30	31x24.7x15.3	27.5	0.8
2.2	225MMR100K	20	18.5x15x7	15	0.8
2.2	225MMR250K	20	26x16.3x8.5	22.5	0.8
2.2	225MMR400K	25	31x22x11	27.5	0.8
2.2	225MMR630K	30	31x29x19.5	27.5	0.8
3.3	335MMR100K	20	18.5x16.5x8.5	15	0.8
3.3	335MMR250K	20	26x18x10.3	22.5	0.8
4.7	475MMR100K	10	26x17x7.5	22.5	0.8
4.7	475MMR250K	20	26x21.5x12	22.5	0.8
6.8	685MMR100K	10	26x18.5x9	22.5	0.8
6.8	685MMR250K	15	31x22.4x13	27.5	0.8
10	106MMR100K	10	26x21x11.5	22.5	0.8
10	106MMR250K	15	31x25.8x15.9	27.5	0.8

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