MPP

Metallized Polypropylene Film

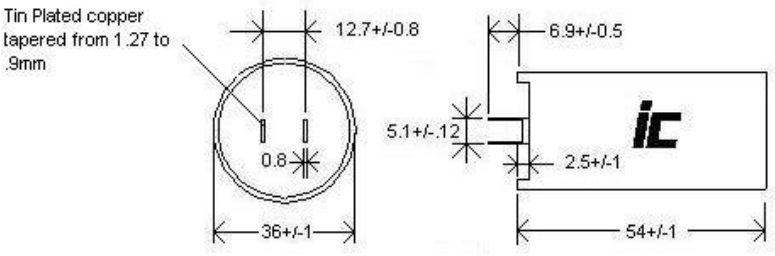
In Round Plastic Shell



FEATURES	High Ripple Current – Low ESR – High Reliability

APPLICATIONS	DC Filtering – DC Link – Motor Drives– Power Inverters

Operating Temperature Range	**-40°C to +85°C**	
Capacitance Tolerance	±10% at 1 kHz, 25°C ±5% optional	
Dissipation Factor (MAX) 1 kHz, 25°C	**0.1%**	
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied	100000 MΩxμF	
Life expectancy	**>10000 Hours**	
Self Inductance	<35 nano-Henries Maximum	
Capacitance Drift Factor	<0.5% after 2 years at 40°C	
Capacitance Temperature Coefficient	-200 ppm/°C, ±100ppm/°C	
Dielectric Strength	**Terminal to Terminal**	**Terminal to Case**
	125% of rated VDC applied for 60 seconds and 25°C	3kVac applied for 60 seconds and 25°C
Dielectric	Polypropylene	
Construction	Metallized film	
Coating	Flame Retardant Plastic case with epoxy resin end fills(UL94V0)	
Leads	Lead free tinned copper leads	



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Board Mount Radial Lead Round Tube

WVDC	Capacitance (µF)	IC PART NUMBER	dv/dt (V/µsec)	Maximum RMS Ripple Current (A) 10 kHz - 100 kHz, +25°C			Maximum ESR (mΩ) 100 kHz,+25°C	Dimensions DxL (mm)
				+5°C	+10°C	+15°C		
400	30	306MPP400KS2P	30	24	19	14.5	6	36x54
500	35	356MPP500KS2P	27	22	18	13	8	36x54
600	30	306MPP600KS2P	30	20	17	12	9	36x54
750	20	206MPP750KS2P	38	19	16	10	10	36x54
800	15	156MPP800KS2P	41	18.5	15	9.8	10	36x54
900	13.5	136MPP900KS2P	42	18	14.5	9.6	10.5	36x54
1000	10	106MPP102KS2P	51	17.5	13.5	9	12	36x54
1200	7.5	755MPP122KS2P	61	16	12	8.4	13.5	36x54
1500	4.7	475MPP152KS2P	73	15	11.5	7.8	15	36x54

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