

MPP

Metallized Polypropylene Film

In Round Plastic Shell



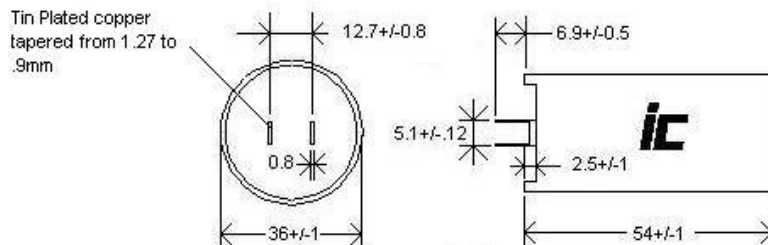
FEATURES

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	



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North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

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Board mount radial lead
round tube

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