

# MPP

## Metallized Polypropylene Film

### In Round Plastic Shell



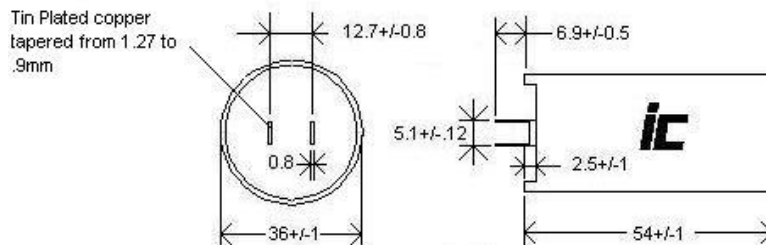
#### FEATURES

High Ripple Current - Low ESR - High Reliability

#### APPLICATIONS

DC Filtering - DC Link - Motor Drives - Power Inverters

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



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# MPP

Board mount radial lead  
round tube

Capacitance ( $\mu\text{F}$ )	WVDC	IC PART NUMBER	dv/dt (V/ $\mu\text{sec}$ )	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