

# MPP

## Metallized polypropylene film in Round plastic shell



- High reliability
- High ripple current
- Low self inductance
- Low ESR
- DC link
- DC Filtering
- Inverters

Operating Temperature Range	-55°C to +105°C For T>85°C the rated voltage must be decreased by 2.5% per °C	
Capacitance Tolerance	±10% at 1 kHz, 20°C	
Insulation Resistance @20°C (<70% RH)	10000 MΩ	
Dielectric Strength	Terminal to Terminal	Terminal to Case
	125% of VDC applied for 60 Seconds and 20°C	3000 VAC applied for 60 Seconds and 20°C
Life expectancy	>10000 Hours	
Self Inductance	35 nanohenries Maximum	
Construction	Special Metallized Polypropylene film	
Electrodes	Aluminum foil (Vacuum deposited)	
Coating	Flame Retardant plastic case with epoxy end fill	
Lead terminations	Lead free tinned copper leads	

Capacitance (uF)	WVDC	IC PART NUMBER	dv/dt (V/us)	Peak Current (A)	Maximum RMS ripple current (A) 10kHz-100kHz			Maximum ESR (mΩ) 100kHz,+25°C	Dimensions DxL (mm)
					25°C	50°C	75°C		
4.7	1500	475MPP152KS2P	73	343.1	15	11.5	7.8	15	36x54
7.5	1200	755MPP122KS2P	61	457.5	16	12	8.4	13.5	36x54
10	1000	106MPP102KS2P	51	510	17.5	13.5	9	12	36x54
13.5	900	136MPP900KS2P	42	567	18	14.5	9.6	10.5	36x54
15	800	156MPP800KS2P	41	615	18.5	15	9.8	10	36x54
20	750	206MPP750KS2P	38	760	19	16	10	10	36x54
30	400	306MPP400KS2P	30	900	24	19	14.5	6	36x54
30	600	306MPP600KS2P	30	900	20.5	17	12	9	36x54
35	500	356MPP500KS2P	27	945	22	18	13	8	36x54

