



Features

- Self-healing
- Metallized polypropylene film construction
- Suitable for use in small power AC output filtering application such as UPS, Solar Photovoltaic DC/AC inverter with LCL filter.

Specifications

Reference Standard	: GB/T17702 (IEC 61071)
Climatic Category	: 40/85/21
Operating Temperature Range (Case)	: -40°C to +105°C (+70°C to + 105°C : decreasing factor 1.5% per °C for Urms)
Rated RMS Voltage (Urms)	: 350V AC and 440V AC
Rated AC Voltage (U _N)	: 450V AC
Max continuous DC Voltage	: 600V DC
Capacitance Range	: 0.68μF to 15μF
Capacitance Tolerance	: ±10% (K)
Voltage Proof	: Between Terminals 1.5U _N (10s) Between Terminals to Case 3000V AC (60s)
Insulation Resistance	: ≥ 3000s (20°C, 100V DC, 1min)
Dissipation Factor	: ≤ 20 × 10 ⁻⁴ (1kHz, 20°C) (Typical value 15 × 10 ⁻⁴)

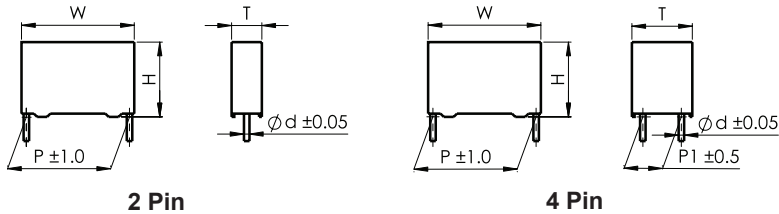
Specification Table

Part Number	No of Pin	Irms	Peak	ESR _{10k}	ESL	Thermal	dv/dt
		10kHz	Current	10kHz		Res	
		A @ 70°C	A	mΩ		°C/W	
MPAPK3A5W47K0Q200	2	14	159.8	6.9	30	11.1	34
MPAPK4A4P68K0R200		8	30.6	15	24	15.6	45
MPAPK4A4W22K0R200		9	99	6.9	26	26.8	45
MPAPK3A5A10K0Q200	4	14	340	5.3	30	14.4	34
MPAPK3A5A15K0Q200	2	14	336	2.1	30	14	28

AC Output Filter Film Capacitors - Radial Leaded MPAPK Series



Dimensions



Part Number	No of Pin	W	H	T	P	P1	d (Lead Dia.)
MPAPK3A5W47K0Q200	2	42.5	40	20	37.5	-	1.2
MPAPK4A4P68K0R200		31	20	11	27.5	-	0.8
MPAPK4A4W22K0R200		31	33	18	27.5	-	0.8
MPAPK3A5A10K0Q200	4	41.5	45	30	37.5	20.3	1.2
MPAPK3A5A15K0Q200	2	42.5	45	30	37.5	-	1.2

Dimensions : Millimetres

Part Number Table

Description	Part Number
AC Filter Film Capacitor, 4.7µF, 350V AC, ±10%, Radial Leaded	MPAPK3A5W47K0Q200
AC Filter Film Capacitor, 0.68µF, 440V AC, ±10%, Radial Leaded	MPAPK4A4P68K0R200
AC Filter Film Capacitor, 2.2µF, 440V AC, ±10%, Radial Leaded	MPAPK4A4W22K0R200
AC Filter Film Capacitor, 10µF, 350V AC, ±10%, Radial Leaded	MPAPK3A5A10K0Q200
AC Filter Film Capacitor, 15µF, 350V AC, ±10%, Radial Leaded	MPAPK3A5A15K0Q200

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