

Metallized Polypropylene Film Capacitors

MPMPP Series - Radial Leaded

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Features

- Metallized polypropylene film construction
- Low loss at high frequency
- Small inherent temperature rise
- Flame retardant epoxy resin powder coating (UL9.4 V-0)

Application

- Widely used in high frequency, DC, AC and pulse circuits.
- Providing optimum performance with small size in S-correction circuits for colour TV set.
- Specially designed for S-correction circuits of large screen monitor and colour TV.
- Suitable for the situation where applies high frequency and high current pulse.

Specifications

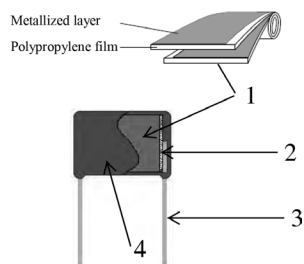
Reference Standard	: GB/T14579 (IEC 60384-17)
Climatic Category	: 40/105/21
Rated Temperature	: +85°C
Operating Temperature Range	: -40°C to +105°C (+85°C to + 105°C: decreasing factor 1.25% per °C for U_R)
Rated Voltage	: 250V, 400V, 630V
Capacitance Range	: 0.0068 μ F- 3.3 μ F
Capacitance Tolerance	: $\pm 5\%$ (J)
Voltage Proof	: 1.6 U_R (5s)
Dissipation Factor	: $\leq 10 \times 10^{-4}$ (1kHz, 20°C)
Insulation Resistance	: $\geq 100000M\Omega$, $C_n \leq 0.33\mu F$ (20°C, 100V, 1min) $\geq 30000s$ $C_n \leq 0.33\mu F$ (20°C, 100V, 1min)

Max. Pulse Rise Time:

U_R (V)	dV/dt (V/ μ s)			
	P=7.5	P=10	P=15	P=22.5
250	660	560	310	130
400	900	780	600	300
630	1500	1200	900	400

Note: If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at a higher dV/dt.
In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U .

Construction and Component



Item	Component	Material
1	Element	Metallized OPP film
2	Metal spray layer	Zn and Zn-Tin alloy wire
3	Leads	Tinned copper-base alloy wire
4	Coating	Flame retardant epoxy resin(UL940V)

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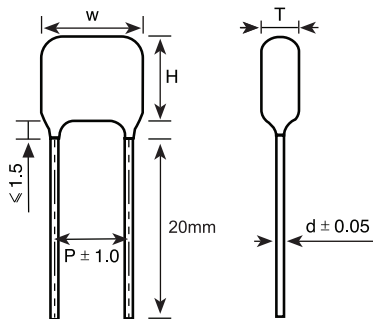
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Dimensions



Part Number	W	H	T	P	d (Lead Dia.)
MPMPP400S10J0F200	12	8	4	10	0.6
MPMPP400S47J0F200	12	8	4.5	10	0.6
MPMPP400P10J0F200	12	9	5.5	10	0.6
MPMPP630P10J0I200	18	10.5	5	15	0.8
MPMPP250P33J0F200	12	11	7.5	10	0.6
MPMPP250P68J0F200	12	17	8.5	10	0.6
MPMPP250P82J0F200	12	18	9.5	10	0.6
MPMPP250D68J0F200	12	7.5	4	10	0.6
MPMPP250S10J0F200	12	7.5	4	10	0.6
MPMPP630S10J0F200	12	8	4	10	0.6
MPMPP250S22J0F200	12	8	4.5	10	0.6
MPMPP250S33J0F200	12	8	4.5	10	0.6
MPMPP630S33J0F200	12	8	4	10	0.6
MPMPP250S47J0F200	12	8	4.5	10	0.6
MPMPP630S47J0F200	12	8	4.5	10	0.6
MPMPP250S68J0F200	12	8	4.5	10	0.6
MPMPP400S68J0F200	12	8	4.5	10	0.6
MPMPP630S68J0F200	12	9	5.5	10	0.6
MPMPP250P15J0F200	12	9	5	10	0.6
MPMPP400P15J0F200	12	10	6.5	10	0.6
MPMPP250P10J0F200	12	8	4.5	10	0.6
MPMPP250P10J0I200	18	8	5	15	0.8
MPMPP250P22J0F200	12	10	6	10	0.6
MPMPP250P22J0I200	18	8	5	15	0.8
MPMPP400P22J0F200	12	11.5	7.5	10	0.8
MPMPP630P22J0I200	18	12	6.5	15	0.8
MPMPP250P33J0I200	18	9.5	5.5	15	0.6
MPMPP400P33J0I200	18	12	6.5	15	0.8

Dimensions : Millimetres

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Part Number	W	H	T	P	d (Lead Dia.)
MPMPP630P33J0I200	18	13.5	8	15	0.8
MPMPP400P47J0I200	18	13	8	15	0.8
MPMPP630P47J0I200	18	15	10	15	0.8
MPMPP630P47J0N200	25	14	7	22.5	0.8
MPMPP250P68J0I200	18	14	8	15	0.6
MPMPP400P68J0I200	18	15	9.5	15	0.8
MPMPP630P68J0I200	18	18	11	15	0.8
MPMPP630P68J0N200	25	17.5	8.5	22.5	0.8
MPMPP250W15J0N200	25	15	8	22.5	0.8
MPMPP400W15J0I200	18	21.5	13	15	0.8
MPMPP400W15J0N200	25	17.5	10.5	22.5	0.8
MPMPP630W15J0N200	25	20	13	22.5	0.8
MPMPP250W10J0I200	18	14.5	8.5	15	0.8
MPMPP250W10J0N200	25	13.5	6.5	22.5	0.8
MPMPP400W10J0I200	18	17	11.5	15	0.8
MPMPP630W10J0N200	25	17.5	10.5	22.5	0.8
MPMPP250W22J0N200	25	18	9.5	22.5	0.8
MPMPP400W22J0N200	25	19.5	13	22.5	0.8
MPMPP400W33J0N200	25	25	14.5	22.5	0.8
MPMPP630W33J0N200	25	28	18	22.5	0.8

Dimensions : Millimetres

Part Number Table

Description	Part Number
Film Capacitor, 0.0068 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250D68J0F200
Film Capacitor, 0.01 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250S10J0F200
Film Capacitor, 0.022 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250S22J0F200
Film Capacitor, 0.033 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250S33J0F200
Film Capacitor, 0.047 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250S47J0F200
Film Capacitor, 0.068 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250S68J0F200
Film Capacitor, 0.1 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P10J0F200
Film Capacitor, 0.15 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P15J0F200
Film Capacitor, 0.22 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P22J0F200
Film Capacitor, 0.33 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P33J0F200
Film Capacitor, 0.68 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P68J0F200
Film Capacitor, 0.82 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P82J0F200
Film Capacitor, 0.1 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P10J0I200
Film Capacitor, 0.22 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P22J0I200

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Description	Part Number
Film Capacitor, 0.33 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P33J0I200
Film Capacitor, 0.68 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250P68J0I200
Film Capacitor, 1 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250W10J0I200
Film Capacitor, 1 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250W10J0N200
Film Capacitor, 1.5 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250W15J0N200
Film Capacitor, 2.2 μ F, 250V, $\pm$ 5%, Radial Leaded	MPMPP250W22J0N200
Film Capacitor, 0.01 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400S10J0F200
Film Capacitor, 0.047 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400S47J0F200
Film Capacitor, 0.068 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400S68J0F200
Film Capacitor, 0.1 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P10J0F200
Film Capacitor, 0.15 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P15J0F200
Film Capacitor, 0.22 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P22J0F200
Film Capacitor, 0.33 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P33J0I200
Film Capacitor, 0.47 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P47J0I200
Film Capacitor, 0.68 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400P68J0I200
Film Capacitor, 1 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400W10J0I200
Film Capacitor, 1.5 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400W15J0I200
Film Capacitor, 1.5 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400W15J0N200
Film Capacitor, 2.2 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400W22J0N200
Film Capacitor, 3.3 μ F, 400V, $\pm$ 5%, Radial Leaded	MPMPP400W33J0N200
Film Capacitor, 0.01 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630S10J0F200
Film Capacitor, 0.033 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630S33J0F200
Film Capacitor, 0.047 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630S47J0F200
Film Capacitor, 0.068 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630S68J0F200
Film Capacitor, 0.1 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P10J0I200
Film Capacitor, 0.22 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P22J0I200
Film Capacitor, 0.33 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P33J0I200
Film Capacitor, 0.47 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P47J0I200
Film Capacitor, 0.68 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P68J0I200
Film Capacitor, 0.47 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P47J0N200
Film Capacitor, 0.68 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630P68J0N200
Film Capacitor, 1 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630W10J0N200
Film Capacitor, 1.5 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630W15J0N200
Film Capacitor, 3.3 μ F, 630V, $\pm$ 5%, Radial Leaded	MPMPP630W33J0N200

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