

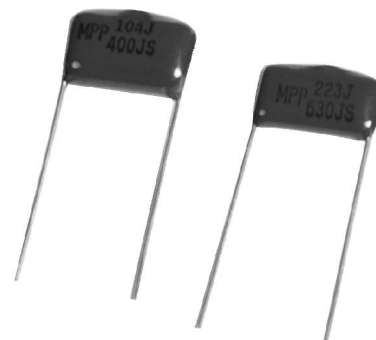
METALIZED POLYPROPYLENE FILM CAPACITOR

MPP Series

INTRODUCTION :

◆ **MPP Series** capacitor are constructed with metalized polypropylene film dielectric, copper-ply lead and epoxy resin coating.

◆ **MPP Series** Capacitor are Ideal for use in telecommunication equipments, data processing equipments, industrial instruments, automatic control systems and other general electronic equipments.



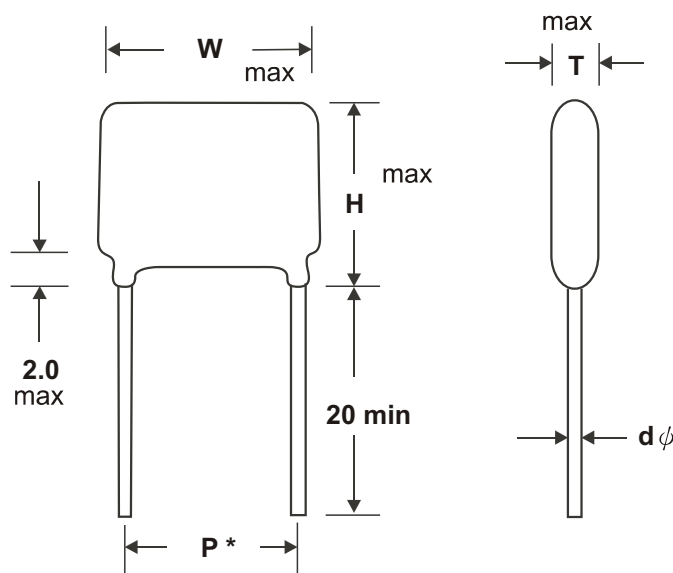
FEATURES :

- ◆ Non-inductive construction.
- ◆ Self-healing property.
- ◆ Low dissipation factor and high insulation resistance.
- ◆ High stability of capacitance and DF versus temperature and frequency.
- ◆ Suitable for blocking by-pass, coupling, decoupling, filtering, timing, tuning, temperature compensation and other general purpose usage.

SPECIFICATION :

1. **OPERATING TEMPERATURE** : $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$.
2. **CAPACITANCE RANGE** : $0.001 \sim 3.3 \mu\text{F}$.
3. **CAPACITANCE TOLERANCE** :
 $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M).
4. **RATED VOLTAGE** : 100, 250, 400, 630 VDC.
5. **DIELECTRIC STRENGTH TEST** : Shall withstand 160% of rated voltage at 25°C for 1 minute.
6. **DISSIPATION FACTOR (DF)** : 0.1% max when measured at 1 KHz, 25°C .
7. **INSULATION RESISANCE (IR)** : When measured at rated voltage or 500 VDC, whichever is smaller, with a charging time of 1 minute.
 - i) if $C \leq 0.33 \mu\text{F}$ $IR \geq 30,000 \text{ M}\Omega$.
 - ii) if $C > 0.33 \mu\text{F}$ $IR \times C > 10,000 \text{ M}\Omega \mu\text{F}$.
8. **MARKING** :
Capacitance, tolerance, rated voltage, manufacturer logo and Series code.

OUTLINE DRAWING



POLYPROPYLENE FILM AND FOIL CAPACITORS

MPP Series

DIMENSION :

Unit : mm

R. V. Size Cap. (μ F)	100 VDC					250 VDC					400 VDC					630 VDC						
	W	H	T	P	d ϕ	W	H	T	P	d ϕ	W	H	T	P	d ϕ	W	H	T	P	d ϕ		
0.001	REFER TO THE TABLE OF HIGH VOLT															9.5	7.5	4.5	7.5	0.6		
0.0015																9.5	8.0	4.5	7.5	0.6		
0.0022																9.5	9.0	5.0	7.5	0.6		
0.0033											9.5	8.5	4.5	7.5	0.6	12.5	8.5	4.5	10.0	0.8		
0.0047											9.5	8.5	4.5	7.5	0.6	12.5	8.5	4.5	10.0	0.8		
0.0068											9.5	8.5	4.5	7.5	0.6	12.5	9.0	5.0	10.0	0.8		
0.01						9.5	8.5	4.5	7.5	0.6	12.5	8.5	4.5	10.0	0.8	12.5	10.5	6.5	10.0	0.8		
0.015						9.5	8.5	4.5	7.5	0.6	12.5	9.0	4.5	10.0	0.8	12.5	12.0	7.5	10.0	0.8		
0.022	9.5	8.5	4.5	7.5	0.6	12.5	8.5	4.5	10.0	0.8	12.5	10.5	5.0	10.0	0.8	17.5	10.5	6.5	15.0	0.8		
0.033	9.5	8.5	4.5	7.5	0.6	12.5	9.0	4.5	10.0	0.8	12.5	12.0	6.5	10.0	0.8	17.5	12.5	7.5	15.0	0.8		
0.047	12.5	8.5	4.5	10.0	0.8	12.5	10.0	5.5	10.0	0.8	12.5	13.0	7.5	10.0	0.8	17.5	14.0	8.5	15.0	0.8		
0.068	12.5	9.0	5.0	10.0	0.8	12.5	11.5	6.5	10.0	0.8	17.5	12.5	6.5	15.0	0.8	17.5	15.5	10.0	15.0	0.8		
0.1	12.5	10.5	6.0	10.0	0.8	17.5	11.5	6.5	15.0	0.8	17.5	13.5	8.0	15.0	0.8	25.5	16.0	9.0	22.5	0.8		
0.15	12.5	11.5	7.0	15.0	0.8	17.5	12.5	7.5	15.0	0.8	17.5	15.5	9.5	15.0	0.8	25.5	17.5	10.5	22.5	0.8		
0.22	17.5	11.5	6.0	15.0	0.8	17.5	14.5	8.5	15.0	0.8	25.5	15.5	8.0	22.5	0.8	30.0	19.5	11.5	27.5	0.8		
0.33	17.5	12.5	7.0	15.0	0.8	25.5	15.0	7.5	22.5	0.8	25.5	19.0	10.0	22.5	0.8	30.0	22.0	13.5	27.5	0.8		
0.47	17.5	14.0	8.0	15.0	0.8	25.5	16.5	8.5	22.5	0.8	30.0	19.5	10.5	27.5	0.8	30.0	25.5	15.5	27.5	0.8		
0.68	17.5	15.5	10.0	22.5	0.8	25.5	18.0	10.5	22.5	0.8	30.0	21.5	12.5	27.5	0.8	30.0	29.0	18.5	27.5	0.8		
1.0	25.5	16.0	8.5	22.5	0.8	25.5	21.5	12.5	22.5	0.8	30.0	24.0	15.0	27.5	0.8							
1.5	25.5	17.5	10.5	27.5	0.8	30.0	22.5	13.5	27.5	0.8												
2.2	30.0	20.0	11.0	27.5	0.8	30.0	26.0	16.5	27.5	0.8						*	P	7.5	10.0	15.0	22.5	27.5
3.3	30.0	23.0	13.0	27.5	0.8											TOL.	1.0	1.0	1.0	1.5	1.5	