

# Metallized Polypropylene Film Capacitor (Radial)

## How To Order

Series: PPS & MPA      Part No.

PPS or MPA <u>103</u>	<u>K</u>	<u>201</u>	<u>R</u>	<u>B</u> <u>S1</u>
<b>Capacitance</b> 10PF=100 100PF=101 1000PF=102 1NF=1000PF =102 1UF=1000000PF =105	<b>Tolerance</b> B=0.1PF C=0.25PF D=0.5PF G=2% J=5% K=10% Z=+80%/-20% M=20%	<b>Voltage</b> 10V=100 50V=500 500V=501 1000V=102 2KV=2000V =202	<b>Type</b> R=Radial Type A=Axial Type	<b>Packing</b> B=Bulk T=Tape for Reel/Box

( S1 means special spec. Standard goods is without it.)

Description: PPS or MPA 10000PF 10% 200V RADIAL BULK.

Note:

The normal packing of Metallized Polypropylene Film Capacitor – Radial PPS or MPA is

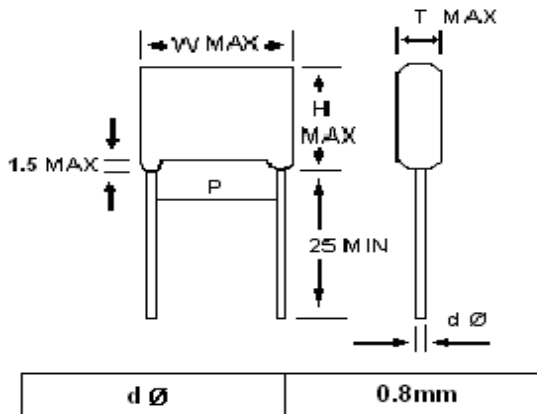
BULK.

S= Special spec., such as leg length, pitch size. Show special need here.

# Metallized Polypropylene Film Capacitor (Radial)

## Type: PPS

PPS are non-inductively wound with polypropylene dielectric and metallized polypropylene film in series with aluminum foil for electrodes using copper-clad steel leads and epoxy resin coating. They are ideal for high frequency and high pulse rise time circuits and find wide application in snubbers, switcher and high voltage power supplies and electronic lighting ballasts.



## FEATURES:

- High corona starting voltage.
- High current rating and high dv/dt.
- Series electrode construction.
- Self healing properties.

## SPECIFICATION:

1. OPERATING TEMPERATURE: -40°C~+85°C.
2. CAPACITANCE RANGE: 0.001uF~0.033uF.
3. CAPACITANCE TOLERANCE: ±5%(J), ±10%(K), ±20%(M).
4. RATED VOLTAGE: 1000VDC, 1200VDC, 1600VDC, 2000VDC.
5. DISSIPATION FACTOR: 1.0% MAX. AT 1KHz 25°C.
6. INSULATION RESISTANCE: >30,000 MΩ



## DEMINSION:

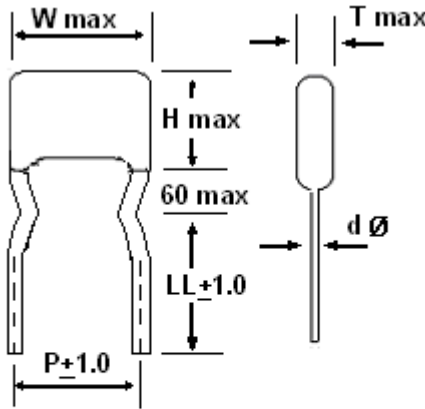
Unit: mm

RV SIZE CAP(uF)	1000VDC				1200VDC				1600VDC				2000VDC			
	W	H	T	P+1.5	W	H	T	P+1.5	W	H	T	P+1.5	W	H	T	P+1.5
0.001	25	13	8	21	25	13	8	21	25	13	8	21	25	13	8	21
0.0012	25	13	8	21	25	13	8	21	25	13	8	21	25	13	8	21
0.0015	25	13	8	21	25	13	8	21	25	13	8	21	25	13.5	8	21
0.0018	25	13	8	21	25	13	8	21	25	13	8	21	25	15	9	21
0.0022	25	13	8	21	25	13	8	21	25	13	8	21	25	16	10	21
0.0027	25	13	8	21	25	13	8	21	25	14.5	8	21	25	17	11	21
0.0033	25	14	8	21	25	14	8	21	25	15.5	9	21	25	18	11	21
0.0039	25	14	9	21	25	14	9	21	25	16	10	21	31	18.5	11.5	26.5
0.0047	25	16	9.5	21	25	16	9.5	21	25	16.5	13	21	31	20	13	26.5
0.0056	25	16	10.5	21	25	16	10.5	21	25	17	13.5	21	31	20	13	26.5
0.0068	25	16	11	21	25	16	11	21	25	20	14	21	31	20.5	13.5	26.5
0.0082	25	18	11.5	21	25	18	11.5	21	31	20	13	26.5	31	21	14	26.5
0.01	25	18	12	21	25	18	12	21	31	20	13	26.5	31	21	14.5	26.5
0.012	25	19	12.5	21	25	19	12.5	21	31	21	14	26.5	31	22	16	26.5
0.015	25	19	13	21	25	19	13	21	31	21	15	26.5				
0.018	31	19	15	26.5	31	19	15	26.5	31	23	17	26.5				
0.022	31	20	15.5	26.5	31	20	15.5	26.5	31	24	18	26.5				
0.027	31	21	16	26.5	31	21	16	26.5	31	27	19	26.5				
0.033	31	21	16.5	26.5	31	21	16.5	26.5	31	29	21	26.5				

# Metallized Polypropylene Film Capacitor (Radial)

## Type: MPA

MPA are constructed with special metallized polypropylene film dielectric, copper lead; and flame retardant epoxy resin coating.



## FEATURES:

- High insulation resistance.
- Low dissipation and inherent temperature rise.
- High stability of capacitance and self-healing property.
- Large-current loading and excellent high-frequency.
- Flame retardant epoxy resin coating (UL-class 94V-0)

## SPECIFICATION:

1. OPERATING TEMPERATURE: -40°C~+85°C.
2. CAPACITANCE RANGE: 0.01uF~1.0uF.
3. CAPACITANCE TOLERANCE:  $\pm 5\%$ (J),  $\pm 10\%$ (K),  $\pm 20\%$ (M).
4. RATED VOLTAGE: 400VDC
5. DISSIPATION FACTOR: 1.0% MAX. AT 1KHz 25°C,  
0.2% MAX. AT 10KHz 20°C
6. INSULATION RESISTANCE: 50,000 M $\Omega$

W	18.0	21.0	29.0
P	12.5	15.0	22.5
d $\phi$	1.0	1.0	1.0

## DIMENSION:

Unit: mm

RV SIZE CAP(uF)	400VDC		
	W	T	H
0.10	18	10	17.5
0.11	18	10.5	18.5
0.12	18	11	19
0.13	18	11.5	19.5
0.15	18	12.5	20
0.16	18	12.5	20.5
0.18	18	13	21
0.20	18	13.5	21.5
0.22	18	14	22.5
0.24	18	14.5	23.5
0.27	18	15.5	24.5
0.3	18	16.0	25.5
0.33	20	13	21
0.36	20	14	22
0.39	20	15.5	23
0.43	20	15.5	24.5
0.47	20	16	25.5
0.51	21	17	26.5
0.56	21	17.5	27
0.62	21	18.5	28
0.68	21	19.5	28.5
0.75	21	21	30
0.82	28	17.5	26
0.91	28	18.5	26.5
1.0	28	19.5	27.5