

# Metallized Polypropylene Capacitor -Radial

MPA



## Construction:

Dielectric : Polypropylene Film .  
 Electrodes : Al-Zinc Metallization.  
 Winding : non-inductive type.  
 Leads : Tinned Wire.  
 Outer coating : Insulating tape wrapping and epoxy resin end filled

## Feature:

Low Dissipation Factor at high frequency.  
 High stability of capacitance & DF  
 Self-healing property.  
 High insulation resistance.

## Recommended Application:

Timing, Tuning, Oscillator circuits.  
 Temperature compensation circuits.  
 Telecommunications and data processing.  
 Professional electronics testing equipment  
 Industrial instruments.

## Electrical Characteristics:

Related Documents	IEC 60384-16 ; CECC 31200					
Rated Voltage	250VDC, 400VDC ,630VDC					
Rated Temperature	-40°C ~ +85°C.					
Usable upper category temperature	+105°C (Derating ratio of rated voltage to +85°C ~ +105°C: 1.5% per °C for Rated Voltage )					
Capacitance Range	0.01µF ~ 10.0 µF.					
Capacitance Tolerance	± 3% (H) , ± 5% (J) , ± 10% (K)					
Dissipation Factor	KHz	C ≤ 0.1uF	0.1 < C ≤ 1.0uF	1.0 < C ≤ 3.0uF	3.0 < C ≤ 5.0uF	5.0 < C ≤ 10.0uF
	1	≤ 0.10%	≤ 0.10%	≤ 0.10%	≤ 0.10%	≤ 0.10%
	100	≤ 0.40%	≤ 0.70%	≤ 1.20%	≤ 1.80%	≤ 2.80%
Insulation Resistance	Terminal to Terminal: (at 20°C ± 5°C) , Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥ 30000MΩ For C ≤ 0.33uF , ≥ 10000MΩ × u F For C > 0.33uF					
Withstand Voltage	Terminal to Terminal : (at 20 ± 5 ) 1.6 × V <sub>R</sub> applied for 2 sec. (cut off current 10MA)					
Rated Voltage Pulse Slope d V/d t (V/µs)	length					
	V <sub>R</sub>	14m/m	19m/m	27m/m	33m/m	44m/m
	250VDC	12	8	5	3	2
	400VDC	15	12	7.5	5	3
630VDC	22	16	12	7	4	

