

Metallized Polypropylene Capacitor -Radial

MPT



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°C ± 5°C) 1.6 × V _R applied for 2sec. (cut off current 10mA)					
Rated Voltage Pulse Slope d V/d t (V/µs)	length					
	V _R	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	

