



Metallized Polypropylene Capacitor -Radial

MPN2



Construction:

Dielectric : Metallized Polypropylene Film .
 Winding : non-inductive type.
 Leads : Tinned Wire.
 Outer coating : Flame retarding epoxy resin.

Feature:

Self-healing property.
 Low noise
 Materials conform to RoHs
 Smaller version of MPPN type.

Recommended Application:

Power factor correction(PFC)usage.

Electrical Characteristics:

Related Documents	IEC 60384-16		
Rated Voltage	450VDC		
Rated Temperature	-40°C ~ +85°C.		
Usable upper category temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.0% per °C for Rated Voltage)		
Capacitance Range	0.22 μF ~ 1.5 μF.		
Capacitance Tolerance	± 5% (J) , ± 10% (K)		
Dissipation Factor	KHz	$C \leq 1.0\mu\text{F}$	$1.0\mu\text{F} < C \leq 2.2\mu\text{F}$
	1	$\leq 0.1\%$	$\leq 0.1\%$
	100	$\leq 1.2\%$	$\leq 2.0\%$
Insulation Resistance	Terminal to Terminal: (at20°C± 5°C) , Voltage charge time : 1 minute. Voltage charge : 100VDC. $\geq 20000\text{M}\Omega$ For $C \leq 0.33\mu\text{F}$, $\geq 9000\text{M}\Omega \times \mu\text{F}$ For $C > 0.33\mu\text{F}$		
Withstand Voltage	Terminal to Terminal: (at20°C± 5°C) $1.6 \times V_R$ applied for 2sec. (cut off current 10mA) Slow-up voltage speed:100V/sec		
Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch	10m/m	15m/m
	V_R 450 VDC	130	100