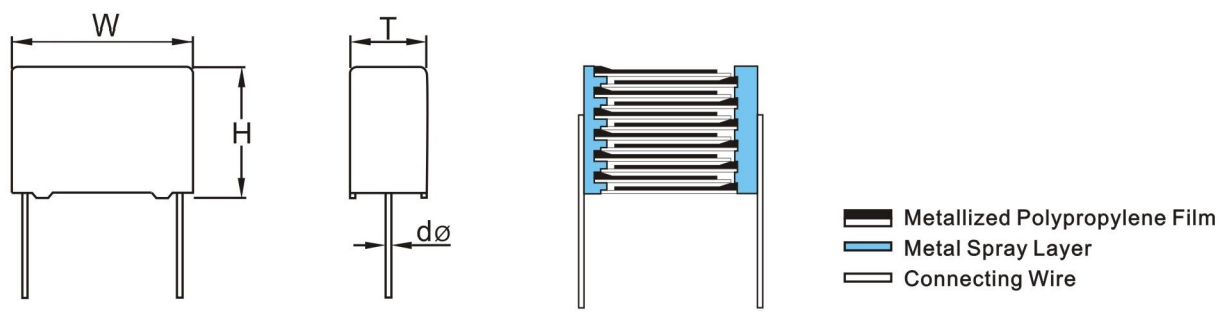


Metallized Polypropylene Capacitor - Radial

MPBN



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.
 Ultra-miniature size(1).

Recommended Application:

Power factor correction(PFC)usage.

Electrical Characteristics:

Related Documents	IEC 60384-16		
Rated Voltage	450VDC , 630VDC.		
Rated Temperature	-40°C ~ +85°C.		
Usable upper category temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)		
Capacitance Range	0.01 μ F ~ 2.2 μ F.		
Capacitance Tolerance	\pm 5% (J) , \pm 10% (K)		
Dissipation Factor	KhZ	$C \leq 1.0 \mu F$	$1.0 \mu F < C \leq 2.2 \mu F$
	1	$\leq 0.1\%$	$\leq 0.1\%$
	100	$\leq 1.0\%$	$\leq 1.2\%$
Insulation Resistance	Terminal to Terminal: (at20°C \pm 5°C) , Voltage charge time : 1 minute. Voltage charge : 100VDC . $\geq 30000M\Omega$ for $C \leq 0.33 \mu F$, $\geq 10000M\Omega \times \mu F$ for $C > 0.33 \mu F$		
Withstand Voltage	Terminal to Terminal: (at20°C \pm 5°C) $1.6 \times V_R$ applied for 2sec. (cut off current 10mA)		
Rated Voltage Pulse Slope dv/dt (V/μs)	Pitch V_R	10mm	15mm
	450VDC	220	160
	630VDC	350	160

Metallized Polypropylene Capacitor - Radial

Cap. (μF)

Size unit: mm

450VDC/200VAC							630VDC/220VAC						
R.V.	450VDC/200VAC						R.V.	630VDC/220VAC					
Size Cap (μF)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	Part Number	Size Cap (μF)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	Part Number
0.047	13	9	4	10	0.6	MPBN473*0450DB*10*	0.01	13	9	4	10	0.6	MPBN103*0630DB*10*
0.068	13	9	4	10	0.6	MPBN683*0450DB*10*	0.015	13	9	4	10	0.6	MPBN153*0630DB*10*
0.1	13	10	5	10	0.6	MPBN104*0450DB*10*	0.022	13	9	4.5	10	0.6	MPBN223*0630DB*10*
0.15	13	11	5.5	10	0.6	MPBN154*0450DB*10*	0.033	13	11	5	10	0.6	MPBN333*0630DB*10*
0.22	13	12	6	10	0.6	MPBN224*0450DB*10*	0.047	13	12	6	10	0.6	MPBN473*0630DB*10*
0.33	13	14	8	10	0.6	MPBN334*0450DB*10*	0.068	13	12	7	10	0.6	MPBN683*0630DB*10*
0.15	18	11	5	15	0.8	MPBN154*0450DB*15*	0.1	13	14	8	10	0.6	MPBN104*0630DB*10*
0.22	18	11	5	15	0.8	MPBN224*0450DB*15*	0.068	18	11	5	15	0.8	MPBN683*0630DB*15*
0.33	18	12	6	15	0.8	MPBN334*0450DB*15*	0.1	18	12	6	15	0.8	MPBN104*0630DB*15*
0.47	18	13	7	15	0.8	MPBN474*0450DB*15*	0.15	18	13	7	15	0.8	MPBN154*0630DB*15*
0.68	18	14	8	15	0.8	MPBN684*0450DB*15*	0.22	18	14	8	15	0.8	MPBN224*0630DB*15*
1.0	18	17.5	7.5	15	0.8	MPBN105*0450DB*15*	0.33	18	18	9	15	0.8	MPBN334*0630DB*15*
1.5	18	19	10	15	0.8	MPBN155*0450DB*15*	0.47	18	19	11	15	0.8	MPBN474*0630DB*15*
1.0	26	17	8	22.5	0.8	MPBN105*0450DB*22*	0.33	26	16.5	7	22.5	0.8	MPBN334*0630DB*22*
1.5	26	18.5	10	22.5	0.8	MPBN155*0450DB*22*	0.47	26	18.5	8.5	22.5	0.8	MPBN474*0630DB*22*
2.2	26	22	12	22.5	0.8	MPBN225*0450DB*22*	0.68	26	19	10	22.5	0.8	MPBN684*0630DB*22*
							1.0	26	22	12.5	22.5	0.8	MPBN105*0630DB*22*