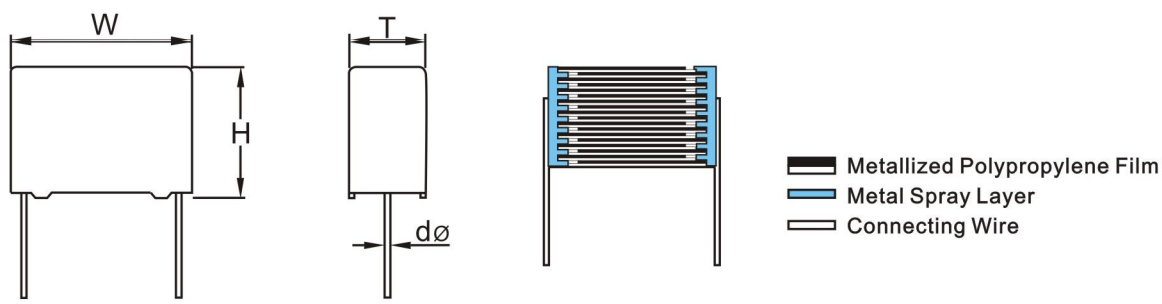


Metallized Polypropylene Capacitor - Radial

MPN3



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 MPBN type.

Recommended Application:

Power factor correction(PFC)usage.

Electrical Characteristics:

Related Documents	IEC 60384-16			
Rated Voltage	450VDC , 520VDC, 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	0.068 μF ~ 2.2 μF.			
Capacitance Tolerance	± 5% (J) , ± 10% (K)			
Dissipation Factor	KhZ	C ≤ 1.0 μF	1.0 μF < C ≤ 2.2 μF	
	1	≤ 0.1%	≤ 0.1%	
	100	≤ 1.2%	≤ 2.0%	
Insulation Resistance	Terminal to Terminal: (at20°C± 5°C) , Voltage charge time : 1 minute. Voltage charge : 100VDC . ≥20000MΩ for C ≤ 0. 33 μ F , ≥9000MΩ × μ F for C > 0.33 μ F			
Withstand Voltage	Terminal to Terminal: (at20°C± 5°C) 1.4 × VR applied for 2sec. (cut off current 10mA)			
Rated Voltage Pulse Slope dv/dt (V/μs)	Pitch			
	VR	10mm	15mm	22.5mm
	450VDC	100	80	60
	520VDC	160	120	70
630VDC	200	150	100	

Metallized Polypropylene Capacitor - Radial

Cap. (μF)

Size unit: mm

R.V.	450VDC/160VAC						R.V.	520VDC/200VAC					
Size Cap (μF)	W	H	T	P	d ϕ	Part Number	Size Cap (μF)	W	H	T	P	d ϕ	Part Number
0.1	13	9	4	10	0.6	MPN3104*0450DB*10*	0.1	13	9	4	10	0.6	MPN3104*0520DB*10*
0.15	13	9	4	10	0.6	MPN3154*0450DB*10*	0.15	13	10	5	10	0.6	MPN3154*0520DB*10*
0.22	13	10	5	10	0.6	MPN3224*0450DB*10*	0.22	13	11	5.5	10	0.6	MPN3224*0520DB*10*
0.33	13	11	5.5	10	0.6	MPN3334*0450DB*10*	0.33	13	12	6	10	0.6	MPN3334*0520DB*10*
0.47	13	13	6	10	0.6	MPN3474*0450DB*10*	0.47	13	13	7	10	0.6	MPN3474*0520DB*10*
0.68	13	14	8	10	0.6	MPN3684*0450DB*10*	0.68	13	15.5	8	10	0.6	MPN3684*0520DB*10*
1	13	17	8	10	0.6	MPN3105*0450DB*10*	0.22	18	11	5	15	0.8	MPN3224*0520DB*15*
0.47	18	11	5	15	0.8	MPN3474*0450DB*15*	0.33	18	11	5	15	0.8	MPN3334*0520DB*15*
0.68	18	12	6	15	0.8	MPN3684*0450DB*15*	0.47	18	12	6	15	0.8	MPN3474*0520DB*15*
1	18	13	7	15	0.8	MPN3105*0450DB*15*	0.68	18	13	7	15	0.8	MPN3684*0520DB*15*
1.5	18	17	8	15	0.8	MPN3155*0450DB*15*	1	18	15.5	8	15	0.8	MPN3105*0520DB*15*
2.2	18	18	10	15	0.8	MPN3225*0450DB*15*	1.5	18	18	9	15	0.8	MPN3155*0520DB*15*
1	26	15	6	22.5	0.8	MPN3105*0450DB*22*	2.2	18	19	12.5	15	0.8	MPN3225*0520DB*15*
1.5	26	16.5	7	22.5	0.8	MPN3155*0450DB*22*	0.68	26	15	6	22.5	0.8	MPN3684*0520DB*22*
2.2	26	18	9	22.5	0.8	MPN3225*0450DB*22*	1	26	16.5	7	22.5	0.8	MPN3105*0520DB*22*
							1.5	26	18	9	22.5	0.8	MPN3155*0520DB*22*
							2.2	26	20	11	22.5	0.8	MPN3225*0520DB*22*

Metalized Polypropylene Capacitor - Radial

Cap. (μ F)

Size unit: mm

R.V.	630VDC/200VAC					
Size Cap (μ F)	W	H	T	P	d \emptyset	Part Number
0.068	13	9	4	10	0.6	MPN3683*0630DB*10*
0.1	13	10	5	10	0.6	MPN3104*0630DB*10*
0.15	13	11	5.5	10	0.6	MPN3154*0630DB*10*
0.22	13	13	6	10	0.6	MPN3224*0630DB*10*
0.33	13	14	8	10	0.6	MPN3334*0630DB*10*
0.15	18	11	5	15	0.8	MPN3154*0630DB*15*
0.22	18	11	5	15	0.8	MPN3224*0630DB*15*
0.33	18	12	6	15	0.8	MPN3334*0630DB*15*
0.47	18	13	7	15	0.8	MPN3474*0630DB*15*
0.68	18	15.5	8	15	0.8	MPN3684*0630DB*15*
1	18	18	9	15	0.8	MPN3105*0630DB*15*
0.47	26	14.5	6	22.5	0.8	MPN3474*0630DB*22*
0.68	26	16.5	7	22.5	0.8	MPN3684*0630DB*22*
1	26	17	8	22.5	0.8	MPN3105*0630DB*22*
1.5	26	19	10	22.5	0.8	MPN3155*0630DB*22*
2.2	26	22	12	22.5	0.8	MPN3225*0630DB*22*