

■ Characteristics

- Metallized Polypropylene Film (Special Materials for Microwave)
- Low dissipation, low internal temperature rise
- Small installation size
- Excellent flame retardant performance (UL94V-0)
- Excellent humidity resistance

■ Main purpose

- Widely used in Microwave filter circuit
- Suitable for resonant circuit of Microwave frequency converter

■ Conform to RoHS standards

■ Technical Parameter

Reference Standards	GB/T10190 (IEC 60384-16)	
Climate Condition	40/105/56	
Rated Temperature	85°C	
Operating Temperature Range	-40°C~105°C (+85°C to +105°C:Decreasing Factor 1.25% per °C for UR)	
Rated Voltage	Filter circuit: 250Vdc, 400Vdc, 450Vdc, 630Vdc Resonance circuit: 630Vdc, 1000Vdc, 1600Vdc, 2000Vdc, 3000Vdc	
Capacitance Range	0.0033 μF~ 6.8 μF	
Capacitance Tolerance	J (±5%)、K (±10%)	
Voltage Proof	Terminal to terminal: 1.6UR (VDC) , 5S Terminal to shell: 2000VAC , 5S	No breakdown or electric arcing
Dissipation Factor	≤0.0010 (1KHZ)	20°C; 1V Testing voltage
Insulation Resistance or Time Constant	CR≤0.33 μF, R ≥25000 MΩ CR>0.33 μF, RC ≥7500S	UR≤500V, Charging Voltage 100V UR>500V, Charging Voltage 500V 20°C; Testing time: 1 min later after charging
Durability test	Temperature: 110°C Work continuously for 20000 hours Load Voltage: Rated Voltage UR	Capacitance Attenuation Value: ΔC/C≤10% Dissipation Factor Attenuation Value: ΔTg δ ≤0.5% (1KHZ) IR≥50%

Note: Products capacitance can be customized. Details specific parameters are according to Approval Sheet.

■ Products Spec. & Dimensions MPB

Model	μF	Rated Voltage	Part Number	Dimensions (mm)				
				$W\pm 0.5$	$T\pm 0.5$	$H\pm 0.5$	$P\pm 0.5$	$d\pm 0.05$
MPB	3.0	400VDC	MPB305J2GE6R89A	26.0	12	21.5	22.5	0.8
MPB	4.7	250VDC	MPB475J2EE6R8A0	26.0	12	21.5	22.5	0.8
MPB	6.8	250VDC	MPB685J2EE7R1A0	26.5	13	23	22.5	1.0

■ Products Spec. & Dimensions C81

Model	μF	Rated Voltage	Part Number	Dimensions (mm)				
				W_{max}	T_{max}	H_{max}	$P\pm 0.5$	$d\pm 0.05$
C81	0.28	630VDC	C81284J2J2612181A0	26	13	19	22.5	0.8
C81	0.1	1600VDC	C81104J3C2611181A0	26	12	19	22.5	0.8
C81	0.12	1600VDC	C81124J3C2612211A0	26	13	21	22.5	0.8
C81	0.0056	3000VDC	C81562J3F2608148A4	26	8	12.5	22.5	0.8
C81	0.0082	3000VDC	C81822J3F2609178A4	26	8	14.5	22.5	0.8

■ Products Spec. & Dimensions C82

Model	μF	Rated Voltage	Part Number	Dimensions (mm)				
				$W\pm 0.5$	$T\pm 0.5$	$H\pm 0.5$	$P\pm 0.5$	$d\pm 0.05$
C82	0.12	1600VDC	C82124J3CE6R8A0	26.0	12.0	21.5	22.5	0.8
C82	0.28	630VDC	C82284J2JE6R8A0	26.0	12.0	21.5	22.5	0.8

■ Products Spec. & Dimensions C83

Model	μF	Rated Voltage	Part Number	Dimensions (mm)				
				$W\pm 0.5$	$T\pm 0.5$	$H\pm 0.5$	$P\pm 0.5$	$d\pm 0.05$
C83	0.1	1600VDC	C83104J3CEDR8A0	25.5	7.5	21.0	22.5	0.8
C83	0.12	1600VDC	C83124J3CE6R8A0	26.0	12.0	21.5	22.5	0.8
C83	0.12	1600VDC	C83124J3CE4R8A0	26.5	10.0	19.0	22.5	0.8
C83	0.28	630VDC	C83284J2JE6R8A0	26.0	12.0	21.5	22.5	0.8
C83	0.28	630VDC	C83284J2JE4R8A0	26.5	10.0	19.0	22.5	0.8

■ Products Spec. & Dimensions C84

Model	μF	Rated Voltage	Part Number	Dimensions (mm)				
				$W\pm 0.5$	$T\pm 0.5$	$H\pm 0.5$	$P\pm 0.5$	$d\pm 0.05$
C84	0.0033	3000VDC	C82332J3FE8R8A0	25.5	7.0	13.5	22.5	0.8
C84	0.0044	3000VDC	C84442J3FE1R8A0	26.5	6.0	15.0	22.5	0.8
C84	0.0044	3000VDC	C82442J3FE8R8A0	25.5	7.0	13.5	22.5	0.8
C84	0.0056	3000VDC	C84562J3FE1R8A0	26.5	6.0	15.0	22.5	0.8
C84	0.0056	3000VDC	C82562J3FE8R8A0	25.5	7.0	13.5	22.5	0.8
C84	0.0082	3000VDC	C84822J3FE8R8A0	25.5	7.0	15.0	22.5	0.8