

Metallized Polypropylene Film Capacitor (Coating)

SPKF09 MPP (CBB21) Series

■ Features

- Non-inductive and self-healing
- Low DF and high IR at high frequency
- Small inherent temperature rise
- High stability of capacitor and DF versus temperature and frequency



■ Applications

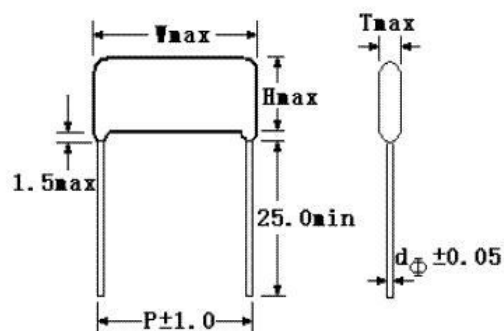
- General resonance circuit
- Widely used in DC, AC pulse, high frequency and high current circuits
- Providing optimum performance with small size of in S-correction circuits of Colour TV sets

■ Specifications

Dielectric	Polypropylene film	
Electrodes	Vacuum evaporated metal	
Coating	Epoxy resin coating	
Leads	Radial leads of tinned wire	
Reference Standard	IEC384-16; GB10190-1988	
Climatic Catalogue	40/85/21	
Capacitance Versus Rated Voltage (U_R)	0.01 μ F-3.3 μ F 100/250VDC 0.01 μ F-2.2 μ F/630VDC	0.01 μ F-3.3 μ F/400VDC
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	DF≤0.1% (at 20°C, 1KHz)	
Voltage Proof	1.6* U_R Unit:VDC (5S at 20°C)	
Insulation Resistance	C≤0.33 μ F, IR≥30000M Ω ; C>0.33 μ F, IR*C≥5000S (minute at 20°C and RH≤65%)	
Endurance	1000 hours with 125% of rated voltage at 85°C, After the test: $\Delta C/C$ ≤5%; ΔDF ≤0.4% IR≥50% of the specified value (20°C 1KHz)	

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Outline Drawing



Dimension

Unit : mm

Capacitance (μF)	250VDC					400VDC					630VDC				
	W	H	T	P	d ϕ	W	H	T	P	d ϕ	W	H	T	P	d ϕ
0.01	13.0	10.0	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6	13.0	9.0	5.5	10.0	0.6
0.015	13.0	10.0	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6	13.0	11.5	7.5	10.0	0.6
0.022	13.0	11.0	7.0	10.0	0.6	13.0	10.0	7.0	10.0	0.6	13.0	12.0	8.0	10.0	0.8
0.033	13.0	11.0	7.0	10.0	0.6	13.0	11.0	7.0	10.0	0.6	18.0	12.5	8.0	15.0	0.8
0.047	13.0	11.0	7.0	10.0	0.6	13.0	11.0	7.0	10.0	0.6	18.0	14.5	9.0	15.0	0.8
0.068	13.0	12.0	7.0	10.0	0.6	18.0	12.5	7.0	15.0	0.8	18.0	17.0	10.0	15.0	0.8
	18.0	12.5	7.0	15.0	0.6						24.0	14.5	9.0	20.0	0.8
0.1	13.0	13.0	7.0	10.0	0.6	18.0	13.0	8.0	15.0	0.8	18.0	17.0	10.0	15.0	0.8
	18.0	12.5	7.0	15.0	0.8						24.0	14.5	10.0	20.0	0.8
0.15	18.0	12.5	7.5	15.0	0.8	24.0	14.5	8.0	20.0	0.8	24.0	17.5	11.5	20.0	0.8
0.22	18.0	14.5	9.0	15.0	0.8	24.0	14.5	9.0	20.0	0.8	31.0	20.0	11.5	27.5	0.8
0.33	18.0	17.0	10.0	15.0	0.8	24.0	17.5	11.0	20.0	0.8	31.0	20.0	13.0	27.5	0.8
	24.0	14.5	9.0	20.0	0.8										
0.3	18.0	18.0	11.0	15.0	0.8	26.0	19.0	12.0	22.5	0.8	31.0	24.5	15.5	27.5	0.8
	24.0	14.5	10.0	20.0	0.8	30.0	18.0	11.0	27.5	0.8					
0.47	18.0	18.0	11.0	15.0	0.8	26.0	19.0	12.0	22.5	0.8	31.0	24.5	15.5	27.5	0.8
	24.0	14.5	10.0	20.0	0.8	30.0	18.0	11.0	27.5	0.8					
0.68	24.0	17.5	11.5	20.0	0.8	31.0	20.0	12.0	27.5	0.8	31.0	25.5	17.0	27.5	0.8
1.0	24.0	18.0	13.0	20.0	0.8	31.0	22.0	13.0	27.5	0.8	31.0	27.0	18.0	27.5	0.8
	31.0	20.0	11.5	27.5	0.8										
1.5	31.0	22.0	13.0	27.5	0.8	31.0	25.0	17.0	27.5	0.8	31.0	28.0	19.0	27.5	0.8
2.2	31.0	25.0	15.0	27.5	0.8	31.0	31.0	19.0	27.5	0.8	36.0	35.0	26.0	31.0	0.8
3.3	31.0	27.0	17.0	27.5	0.8	36.0	34.0	24.0	31.0	0.8					

Special size or items on request