

# Polypropylene Film/Foil Capacitor (Non-inductive)

## SPKF07 PPN (CBB13) Series

### ■ Features

- High IR
- Non-inductive construction
- High pulse rise rate (du/dt) and suitable for large current circuit
- High stability of capacitance and DF versus temperature and frequency

### ■ Applications

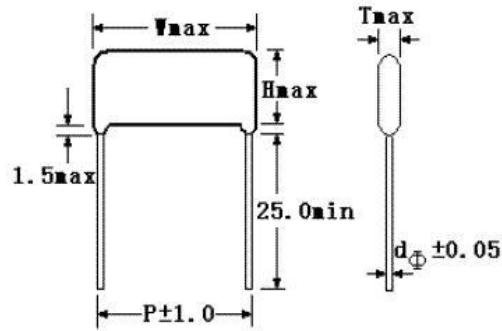
- Filter and noise suppression circuit
- Widely used in high frequency, high voltage DC and pulse circuits
- Most suitable for high voltage and pulse in the horizontal resonance circuit of colour TV set

### ■ Specifications

Dielectric	Polypropylene film	
Electrodes	Aluminum foil	
Coating	Epoxy resin coating	
Leads	Radial leads of tinned wire	
Reference Standard	IEC384-13; SJ/T10998-1996	
Climatic Catalogue	40/85/21	
Capacitance Versus Rated Voltage ( $U_R$ )	0.001 $\mu$ F-0.47 $\mu$ F/100VDC 0.001 $\mu$ F-0.33 $\mu$ F/400VDC	0.001 $\mu$ F-0.47 $\mu$ F/250VDC 0.001 $\mu$ F-0.15 $\mu$ F/630VDC
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	DF≤0.1% (at 20°C, 1KHz)	
Voltage Proof	2.0* $U_R$ Unit:VDC (60S at 20°C)	
Insulation Resistance	C≤0.1 $\mu$ F, IR≥30000M $\Omega$ ; C>0.1 $\mu$ 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: $\Delta C/C$ ≤2%; $\Delta DF$ ≤0.04% IR≥50% of the specified value (20°C 1KHz)	

# Metallized Polypropylene Film Capacitor (Coating)

## Outline Drawing



## Dimension

UNIT 单位:mm

CAPACITANCE		50/100VDC					250VDC					400VDC					630VDC				
SYMBOL	$\mu F$	W	H	T	P	d $\Phi$	W	H	T	P	d $\Phi$	W	H	T	P	d $\Phi$	W	H	T	P	d $\Phi$
102	0.0010	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	11.0	11.0	7.0	7.5	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6	14.0	12.0	6.5	10.0	0.6	15.0	12.5	7.0	10.0	0.6
152	0.0015	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	10.5	11.0	7.0	7.5	0.6	11.0	11.0	7.0	7.5	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6	14.0	12.0	6.5	10.0	0.6	15.0	12.5	7.0	10.0	0.6
222	0.0022	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	11.0	11.0	7.0	7.5	0.6	15.0	12.5	7.0	10.0	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6	14.0	12.0	6.5	10.0	0.6					
332	0.0033	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	14.0	13.0	7.0	10.0	0.6	15.0	14.0	7.0	10.0	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6										
472	0.0047	10.5	10.0	6.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	14.0	13.0	7.0	10.0	0.6	15.0	14.5	8.0	10.0	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6										
682	0.0068	10.5	11.0	7.0	7.5	0.6	10.5	11.0	7.0	7.5	0.6	14.0	14.0	7.5	10.0	0.6	15.0	14.5	8.5	10.0	0.6
		14.0	9.0	6.0	10.0	0.6	14.0	9.0	6.0	10.0	0.6										
103	0.010	11.0	11.0	7.0	7.5	0.6	14.0	9.5	6.5	10.0	0.6	14.0	14.0	8.0	10.0	0.6	19.0	15.0	9.0	15.0	0.8
		14.0	9.0	6.0	10.0	0.6															
153	0.015	11.0	11.0	7.0	7.5	0.6	14.0	10.0	7.0	10.0	0.6	19.0	14.0	10.5	15.0	0.8	19.0	15.0	10.0	15.0	0.8
		14.0	9.0	6.0	10.0	0.6															
223	0.022	11.0	12.0	8.0	7.5	0.6	14.0	11.0	8.0	10.0	0.6	19.0	15.0	10.5	15.0	0.8	25.0	16.0	11.0	21.0	0.8
		14.0	10.0	6.0	10.0	0.6															
333	0.033	14.0	10.5	7.0	10.0	0.6	14.0	12.5	9.5	10.0	0.6	19.0	17.5	11.5	15.0	0.8	25.0	18.0	12.5	21.0	0.8
473	0.047	14.0	11.0	7.5	10.0	0.8	19.0	13.0	9.0	15.0	0.8	19.0	18.0	12.5	15.0	0.8	25.0	20.0	14.0	21.0	0.8
683	0.068	19.0	12.5	8.0	15.0	0.8	19.0	13.0	9.0	15.0	0.8	19.0	18.0	12.5	15.0	0.8	25.0	20.0	14.0	21.0	0.8
104	0.10	19.0	11.0	8.5	15.0	0.8	25.0	18.0	11.0	22.5	0.8	25.0	20.0	15.0	21.0	0.8	31.0	26.0	16.5	27.5	0.8
154	0.15	25.0	15.0	8.5	22.5	0.8	25.0	17.0	12.5	22.5	0.8	31.0	24.5	16.5	27.5	0.8	31.0	28.0	18.0	27.5	0.8
224	0.22	25.0	17.0	9.5	22.5	0.8	31.0	20.0	13.5	27.5	0.8	31.0	26.0	17.5	27.5	0.8					
334	0.33	31.0	18.0	12.0	27.5	0.8	31.0	22.0	15.0	27.5	0.8	31.0	21.0	9.0	27.5	0.8					
474	0.47	31.0	23.0	14.0	27.5	0.8	31.0	25.0	17.0	27.5	0.8										

(SPECIAL SIZE OR ITEMS ON REQUEST) 可依需求制作特殊规格