

Metallized Polypropylene Film / Foil Capacitor (High Voltage)

SPKF10 PPS (CBB81) Series

■ Features

- High pulse rise rate (du/dt) and suitable for large current circuit
- Special serial construction for high voltage and long-term ability
- High stability of capacitance and DF versus temperature and frequency



■ Applications

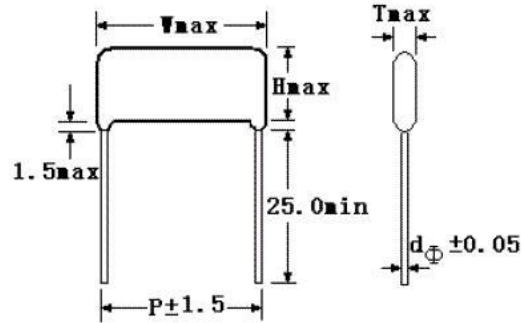
- Most suitable for high voltage and pulse in the horizontal resonance circuit of colour TV set.

■ Specifications

Dielectric	Polypropylene film	
Electrodes	Aluminum foil as outer electrodes and vacuum evaporated metal layer as inner series electrode	
Coating	Epoxy resin coating	
Leads	Radial leads of tinned wire	
Reference Standard	IEC384-17; GB14579-1993	
Climatic Catalogue	40/85/21	
Capacitance Versus Rated Voltage (U_R)	0.0056 μ F-0.039 μ F /1000VDC 0.001 μ F-0.022 μ F/1600VDC	0.0022 μ F-0.022 μ F/1200VDC 0.001 μ F-0.0015 μ F/2000VDC
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	≤0.1% (at 20°C, 1KHz)	
Voltage Proof	2.0* U_R Unit:VDC (1 minute at 20°C)	
Insulation Resistance	C≤0.1 μ F, IR≥30000M Ω ; C>0.1 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: $\Delta C/C$ ≤10%; ΔDF ≤0.3% IR≥50% of the specified value (20°C 1KHz)	

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■ Outline Drawing



■ Dimension

Unit : mm

Capacitance (μ F)	1000VDC				1200VDC				1600VDC				2000VDC			
	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.001									19.0	10.0	5.0	15.0	24.0	11.0	6.0	20.0
0.0012									19.0	11.0	5.0	15.0	24.0	12.0	6.0	20.0
0.0015									19.0	11.0	6.0	15.0	24.0	13.0	7.0	20.0
0.0018									19.0	12.0	6.0	15.0	24.0	13.0	8.0	20.0
0.0022					19.0	12.0	6.0	15.0	19.0	12.0	6.0	15.0	24.0	14.0	8.0	20.0
0.0027					19.0	12.0	6.0	15.0	19.0	13.0	7.0	15.0	24.0	15.0	8.0	20.0
0.0033					19.0	13.0	7.0	15.0	19.0	13.0	8.0	15.0	24.0	16.0	9.0	20.0
0.0039					19.0	13.0	8.0	15.0	19.0	14.0	8.0	15.0	24.0	17.0	10.0	20.0
0.0047					19.0	14.0	8.0	15.0	19.0	15.0	9.0	15.0	24.0	18.0	11.0	20.0
0.0056	19.0	12.0	6.0	15.0	19.0	15.0	9.0	15.0	19.0	16.0	10.0	15.0	24.0	19.0	12.0	20.0
0.0068	19.0	13.0	7.0	15.0	19.0	16.0	10.0	15.0	19.0	17.0	11.0	15.0	24.0	20.0	12.0	20.0
0.0082	19.0	13.0	8.0	15.0	24.0	15.0	8.0	20.0	24.0	16.0	9.0	20.0	24.0	22.0	14.0	20.0
0.0100	19.0	14.0	8.0	15.0	24.0	16.0	9.0	20.0	24.0	17.0	10.0	20.0	24.0	23.0	16.0	20.0
0.0120	19.0	15.0	9.0	15.0	24.0	17.0	10.0	20.0	24.0	18.0	11.0	20.0	26.0	22.0	15.0	22.5
0.0150	18.0	16.0	10.0	15.0	24.0	18.0	11.0	20.0	24.0	19.0	12.0	20.0	26.0	24.0	17.0	22.5
0.0180	24.0	16.0	9.0	15.0	24.0	19.0	12.0	20.0	24.0	20.0	13.0	20.0				
0.0220	24.0	17.0	10.0	20.0	24.0	20.0	13.0	20.0	24.0	20.0	15.0	20.0				
0.0270	24.0	18.0	11.0	20.0												
0.0330	24.0	19.0	12.0	20.0												
0.0390	24.0	20.0	13.0	20.0												

Special size or items on request