

# Metallized Polypropylene Film Capacitor (Axial and Cylindrical)

## SPKF14 MPT (CBB19) Series

### ■ Features

- Non-inductive construction and self-healing
- Low DF and high IR
- High capacitance value available and compact size



### ■ Applications

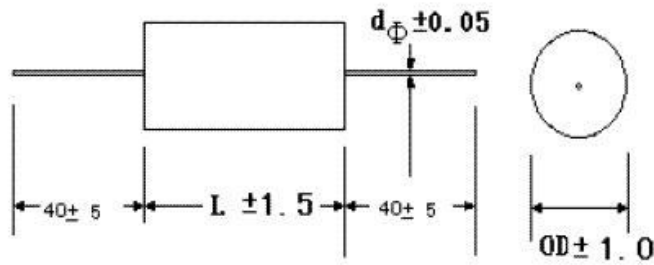
- Coupling decoupling by-passing and timing circuit
- Automatic control system, communication equipment
- Charging/discharging, lighting, noise suppression and frequency modulation

### ■ Specifications

Dielectric	Polypropylene film	
Electrodes	Vacuum evaporated metal	
Coating	Out wrapped with Mylar tape and ends sealed with epoxy resin	
Leads	Axial leads of tinned wire	
Reference Standard	IEC 384-16; GB10190-1988	
Climatic Catalogue	40/85/21	
Capacitance Versus Rated Voltage ( $U_R$ )	0.01UF-82UF/100VDC; 0.01UF-15UF/400VDC;	0.01UF-33UF/250VDC; 0.01UF-10UF/630VDC;
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	$C \leq 1.0\mu F$ (at 20°C, 1KHz)	
Voltage Proof	$1.6 * U_R$ Unit:VDC (5S at 20°C)	
Insulation Resistance	$\geq 100000M\Omega$ ; $C \leq 0.33\mu F$ , $\geq 30000M\Omega$ ; $C > 0.3\mu F$ ; 20°C, 100V 1min	
Endurance	1000 hours with 125% of rated voltage at 85°C, After the test: $\Delta C/C \leq 5\%$ ; $\Delta DF \leq 0.40\%$ $IR \geq 50\%$ of the specified value(20°C 1KHz)	

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## ■ Outline Drawing



## ■ Dimension

Unit : mm

Capacitance (uF)	100VDC			250VDC			400VDC			630VDC		
	L	OD	dø	L	OD	dø	L	OD	dø	L	OD	dø
0.010	14.0	5.0	0.6	14.0	5.0	0.6	14.0	5.0	0.6	14.0	6.0	0.6
0.022	14.0	7.0	0.6	14.0	7.0	0.6	14.0	7.0	0.6	14.0	8.0	0.6
0.033	14.0	7.0	0.6	14.0	7.0	0.6	14.0	7.0	0.6	14.0	9.0	0.6
0.047	14.0	7.0	0.6	14.0	7.0	0.6	14.0	7.0	0.6	14.0	10.5	0.8
0.068	14.0	7.5	0.6	14.0	7.5	0.6	19.0	10.5	0.8	19.0	9.5	0.8
0.10	14.0	6.0	0.6	14.0	6.0	0.6	25.0	8.0	0.8	25.0	10.0	0.8
0.22	19.0	6.5	0.6	19.0	7.5	0.6	25.0	9.5	0.8	25.0	13.0	0.8
0.33	19.0	7.0	0.6	19.0	9.0	0.6	25.0	11.0	0.8	25.0	16.0	0.8
0.47	19.0	8.5	0.6	25.0	9.0	0.6	25.0	13.0	0.8	25.0	19.0	0.8
0.68	19.0	9.5	0.6	25.0	10.0	0.8	31.0	15.0	0.8	36.0	19.0	0.8
1.0	25.0	9.5	0.6	31.0	10.5	0.8	36.0	16.0	0.8	40.0	19.5	0.8
2.2	31.0	11.5	0.8	31.0	15.0	0.8	46.0	20.0	0.8	56.0	23.0	0.8
3.3	31.0	13.0	0.8	31.0	17.0	0.8	46.0	21.0	0.8	56.0	28.0	1.0
4.0	31.0	15.0	0.8	31.0	19.0	0.8	46.0	23.0	0.8	56.0	30.5	1.0
4.7	31.0	16.0	0.8	31.0	20.0	0.8	46.0	25.0	0.8	56.0	33.5	1.0
5.6	31.0	17.5	0.8	31.0	21.5	0.8	46.0	27.0	0.8	56.0	36.0	1.0
6.8	31.0	19.5	0.8	31.0	23.0	0.8	46.0	30.0	1.0	56.0	40.0	1.0
8.2	46.0	17.0	0.8	46.0	21.0	0.8	46.0	32.5	1.0	56.0	43.0	1.0
10.0	46.0	18.5	0.8	46.0	23.0	0.8	56.0	32.0	1.0	65.0	43.0	1.0
15.0	46.0	22.5	0.8	56.0	24.5	0.8	56.0	41.0	1.0			
22.0	56.0	24.0	0.8	61.0	28.5	1.0						
30.0	56.0	28.5	1.0	61.0	32.0	1.0						
33.0	56.0	29.5	1.0	61.0	34.0	1.0						
35.5	40.5	56.0	1.0									
68.0	56.0	41.0	1.0									
82.0	61.0	41.5	1.0									

Special size or items on request