

Metallized Polyester Film Capacitor (Axial and Cylindrical)

SPKF03 MET (CL19) Series

■ Features

- Non-inductive construction
- Excellent self-healing property
- High capacitance value available and compact size
- High property of moisture resistance



■ Applications

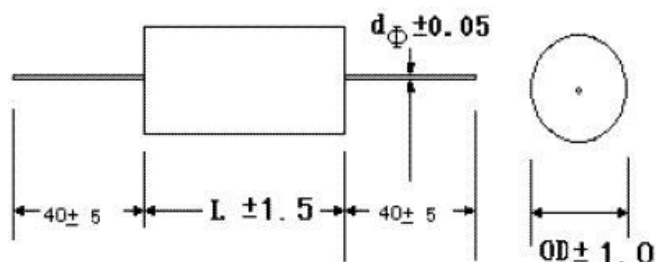
- Coupling decoupling by-passing and timing circuit
- Automatic control system, communication equipment
- Charging/discharging, lighting, noise suppression and frequency modulation

■ Specifications

Dielectric	Polyester 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 384-2 grade 1; SJ/T10873-1996
Climatic Catalogue	40/85/21 (From 85°C up to 105°C with derating voltage 1.25%/°C)
Capacitance Versus Rated Voltage (U_R)	0.01UF-168UF/100VDC; 0.01UF-68UF/250VDC; 0.01UF-22UF/400VDC; 0.01UF-10UF/630VDC;
Capacitance Tolerance:	M=±20% K=±10% J=±5%
Dissipation Factor (Tangent Of Loss)	≤1.0% (at 20°C, 1KHz)
Voltage Proof	1.6* U_R Unit:VDC (5S at 20°C)
Insulation Resistance	≥15000MΩ; C≤0.33uF, ≥5000MΩ C>0.33uF; 20°C, 100V 1min
Endurance	1000 hours with 125% of rated voltage at 85°C, After the test: $\Delta C/C \leq 8\%$; $\Delta DF \leq 0.30\%$ (C>1uF); $\Delta DF \leq 0.50\%$ (C≤1uF) IR ≥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	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6
0.015	14.0	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6
0.022	14.0	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6	14.0	6.5	0.6
0.033	14.0	5.5	0.6	14.0	5.5	0.6	14.0	5.5	0.6	19.0	6.5	0.6
0.047	14.0	6.5	0.6	14.0	6.5	0.6	19.0	6.0	0.6	19.0	7.5	0.6
0.068	14.0	6.5	0.6	14.0	6.5	0.6	19.0	6.5	0.6	19.0	8.5	0.6
0.10	14.0	6.5	0.6	14.0	6.5	0.6	19.0	7.5	0.6	19.0	10.0	0.6
0.22	14.0	6.5	0.6	14.0	6.5	0.6	19.0	9.5	0.6	25.0	11.5	0.8
0.33	14.0	8.0	0.6	19.0	7.5	0.6	19.0	11.5	0.8	25.0	14.0	0.8
0.47	19.0	7.0	0.6	19.0	8.5	0.6	25.0	11.0	0.8	31.0	14.0	0.8
0.68	19.0	7.5	0.6	19.0	10.0	0.6	25.0	13.0	0.8	31.0	17.0	0.8
1.0	19.0	9.0	0.6	24.0	10.0	0.6	31.0	14.0	0.8	31.0	19.0	0.8
2.2	24.0	11.0	0.8	31.0	12.0	0.8	36.0	18.0	0.8	40.0	23.5	0.8
3.3	24.0	14.0	0.8	31.0	14.5	0.8	36.0	21.0	0.8	46.0	27.0	0.8
4.7	31.0	13.5	0.8	31.0	17.5	0.8	40.0	22.0	0.8	46.0	33.0	1.0
5.6	31.0	15.0	0.8	31.0	19.5	0.8	46.0	24.0	0.8	56.0	31.0	1.0
6.8	31.0	16.0	0.8	46.0	16.0	0.8	57.0	22.5	0.8	56.0	33.5	1.0
8.2	31.0	17.5	0.8	46.0	17.5	0.8	57.0	25.0	0.8	56.0	36.0	1.0
10.0	31.0	19.0	0.8	46.0	19.5	0.8	57.0	27.0	0.8	56.0	41.0	1.0
15.0	46.0	18.0	0.8	46.0	24.0	0.8	57.0	34.0	1.0			
22.0	46.0	22.0	0.8	46.0	29.0	1.0	57.0	39.0	1.0			
30.0	56.0	22.5	0.8	56.0	29.0	1.0						
33.0	56.0	23.5	0.8	56.0	30.0	1.0						
47.0	56.0	29.0	1.0	56.0	36.5	1.0						
68.0	56.0	32.0	1.0	61.0	41.0	1.0						
82.0	56.0	37.0	1.0									
100.0	56.0	40.0	1.0									
168.0	71.0	48.0	1.0									

Special size or items on request