

# Metallized Polyester Film Capacitor (Coating)

## SPKF02 MEF (CL21) Series



### ■ Features

- Non-inductive construction
- Self-healing
- High reliable and superior performance in low frequency application

### ■ Applications

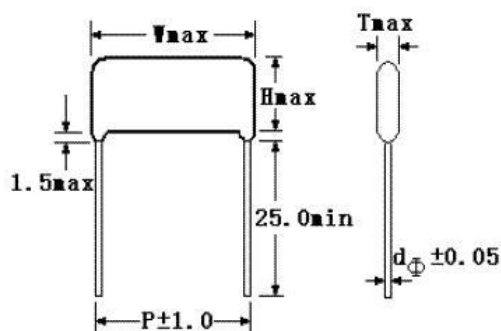
- Filter and noise suppression circuit
- Pulse, logic and timing circuit
- DC-bloching,by-passing and signal coupling in general communication equipment

### ■ Specifications

Dielectric	Polyester film	
Electrodes	Vacuum evaporated metal	
Coating	Epoxy resin coating	
Leads	Radial leads of tinned wire	
Reference Standard	IEC384-2 grade 1;SJ/T 10787-1996	
Climatic Catalogue	40/85/21(From 85°C up to 105°C with derating voltage 1.25%/°C)	
Capacitance Versus Rated Voltage ( $U_R$ )	0.001uF-10uf/100VDC	0.001uF-10uF/250VDC
	0.001uF-4.7uF/400VDC	0.001uF-4.7uF/630VDC
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	$C \leq 1.0\mu F$ DF≤0.8%	
	$C > 1.0\mu F$ DF≤1.0% (at 20°C, 1KHz)	
Voltage Proof	$1.6 \cdot U_R$ Unit:VDC (5S at 20°C)	
Insulation Resistance	$C \leq 0.33\mu F$ , IR ≥ 15000MΩ; $C > 0.33\mu F$ , IR·C ≥ 3000S	
	$U_R \leq 100V$ Testing by 50V $U_R > 100V$ Testing by 100V (1 minute at 20°C and RH≤65%)	
Endurance	1000 hours with 125% of rated voltage at 85°C,After the test:	
	$\Delta C/C \leq 8\%$ ; $\Delta DF \leq 0.30\%$ ( $C > 1\mu F$ ); $\Delta DF \leq 0.50\%$ ( $C \leq 1\mu F$ ) IR ≥ 50% of the specified value(20°C 1KHz)	

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## Outline Drawing



## Dimension

Unit : mm

Capacitance (uF)	100VDC					250VDC					400VDC					630VDC				
	W	H	T	P	dø	W	H	T	P	dø	W	H	T	P	dø	W	H	T	P	dø
0.0010	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
0.0022	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
0.0047	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
0.0082	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
0.010	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
0.015	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
0.022	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
0.033	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6	12.0	11.0	6.0	10.0	0.6
0.047	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6	17.0	10.0	6.0	15.0	0.8
0.068	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	12.0	7.0	10.0	0.6	17.0	11.0	7.0	15.0	0.8
0.10	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.5	10.0	0.6	17.0	11.0	6.0	15.0	0.8	17.0	14.0	9.0	15.0	0.8
0.15	12.0	10.0	7.0	10.0	0.6	12.0	12.0	7.0	10.0	0.6	17.0	13.0	7.0	15.0	0.8	23.0	13.0	8.0	20.0	0.8
0.22	12.0	12.0	8.0	10.0	0.6	12.0	13.0	8.5	10.0	0.6	17.0	15.0	9.0	15.0	0.8	23.0	15.0	9.0	20.0	0.8
											23.0	10.0	6.0	20.0	0.8					
0.33	12.0	13.0	8.0	10.0	0.6	17.0	13.0	7.0	15.0	0.8	17.0	16.0	10.0	15.0	0.8	23.0	18.0	12.0	20.0	0.8
											23.0	11.0	7.0	20.0	0.8					
0.47	12.0	13.0	8.0	10.0	0.6	17.0	15.0	9.0	15.0	0.8	23.0	15.0	9.0	20.0	0.8	30.0	21.0	11.0	27.5	0.8
0.68	17.0	12.0	7.0	15.0	0.8	17.0	14.0	9.0	15.0	0.8	23.0	18.0	10.0	20.0	0.8	30.0	22.0	13.0	27.5	0.8
1.0	17.0	15.0	8.5	15.0	0.8	17.0	17.0	10.0	15.0	0.8	24.0	20.0	13.0	22.5	0.8	31.0	25.5	15.5	27.5	0.8
						23.0	14.0	9.0	20.0	0.8	30.0	16.0	10.0	27.5	0.8					
1.5	17.0	16.0	9.0	15.0	0.8	24.0	16.0	9.0	22.5	0.8	30.0	20.0	11.0	27.5	0.8	31.0	33.0	21.0	27.5	0.8
						23.0	15.0	10.0	20.0	0.8										
2.2	18.0	17.0	11.0	15.0	0.8	24.0	19.0	10.0	22.5	0.8	31.0	26.0	16.0	27.5	0.8	36.0	31.0	21.0	31.5	0.8
						23.0	17.0	12.0	20.0	0.8										
3.3	24.0	18.0	12.0	22.5	0.8	30.0	23.0	14.0	27.5	0.8	31.0	29.5	19.0	27.5	0.8	43.0	32.0	24.5	41.5	0.8
4.7	30.0	22.0	13.0	27.5	0.8	31.0	25.5	16.0	27.5	0.8	36.0	32.0	31.5	31.5	0.8	54.0	34.5	24.5	51.5	0.8
6.8	30.0	23.5	15.5	27.5	0.8	43.0	20.0	15.0	41.5	0.8										
10.0	31.0	25.5	20.0	27.5	0.8	43.0	24.0	19.0	41.5	0.8										

Special size or items on request