

Metallized Polyester Film Capacitor (Miniature)

SPKF04 MEM (CL21X) Series

■ Features

- Small size can be compacted favourably with the stacked film capacitors
- Excellent self-healing and high reliability
- Non-inductive construction
- Light duty pulse forming network



■ Applications

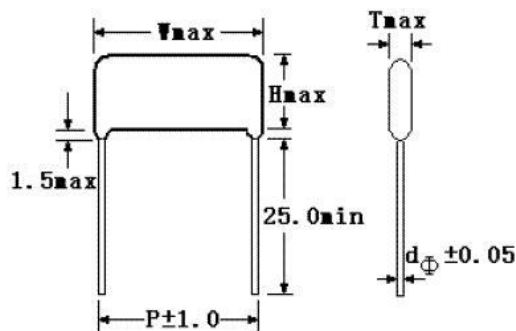
- Blocking coupling of DC and signals to VHF range
- Pulse, logic and timing circuit
- Charging/discharging, lighting, noise suppression and frequency modulation

■ Specifications

Dielectric	Polyester film	
Electrodes	Vacuum evaporated metal	
Coating	Epoxy resin coating	
Leads	Radial 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)	0.001uF-0.47uF/50V/100V; 0.001uF-0.033uF/400VDC;	0.001uF-0.15uF/250VDC; 0.001uF-0.015uF/630VDC
Capacitance Tolerance:	M=±20% K=±10% J=±5%	
Dissipation Factor (Tangent Of Loss)	DF ≤ 1.0% (at 20°C, 1KHz)	
Voltage Proof	1.6*U _R Unit:VDC (5S at 20°C)	
Insulation Resistance	C ≤ 0.33uF, IR ≥ 15000MΩ; C > 0.33uF, IR * C ≥ 3000S (1 minute at 20°C and RH ≤ 65%)	
Endurance	500 hours with 125% of rated voltage at 85°C, After the test: ΔC/C ≤ 8%; ΔDF ≤ 0.30% (C > 1uF); ΔDF ≤ 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				
	W	H	T	P	dø	W	H	T	P	dø	W	H	T	P	dø	W	H	T	P	dø
0.0010	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
0.0015	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
0.0022	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
0.0033	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
0.0047	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
0.0068	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	8.0	4.5	5.0	0.6					
0.010	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	8.0	10.0	5.5	5.0	0.6					
0.015	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	5.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	8.0	11.5	6.0	5.0	0.6					
0.022	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	10.0	8.0	5.5	7.5	0.6	9.0	8.5	5.0	7.5	0.6
	7.3	7.0	3.5	5.0	0.6	7.3	8.0	4.5	5.0	0.6	8.0	13.0	7.0	5.0	0.6					
0.033	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	10.0	10.0	9.0	7.5	0.6	10.0	10.0	6.5	7.5	0.6
	7.3	7.5	4.5	5.0	0.6	8.0	9.0	5.5	5.0	0.6	8.0	14.0	8.0	5.0	0.6					
0.047	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.5	7.5	0.6										
	7.3	7.0	4.0	5.0	0.6	8.0	10.5	5.5	5.0	0.6										
0.068	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.5	7.5	0.6										
	7.3	9.5	4.5	5.0	0.6	8.0	11.5	7.0	5.0	0.6										
0.10	9.0	8.0	5.0	7.5	0.6	9.0	8.0	5.5	7.5	0.6										
	8.0	10.5	5.5	5.0	0.6	8.0	13.5	7.5	5.0	0.6										
0.15	9.0	8.0	5.0	7.5	0.6	8.0	14.5	8.5	5.0	0.6										
	8.0	11.5	6.0	5.0	0.6															
0.22	10.0	7.5	5.0	7.5	0.6															
	8.0	13.0	7.5	5.0	0.6															
0.33	10.0	8.0	5.5	7.5	0.6															
	8.0	14.0	8.5	5.0	0.6															
0.47	10.0	10.0	6.5	7.5	0.6															

Special size or items on request