

Metallized Polypropylene Film Interference Suppression Capacitor

SPKF21 MKP (X1 Class) Series

■ Features

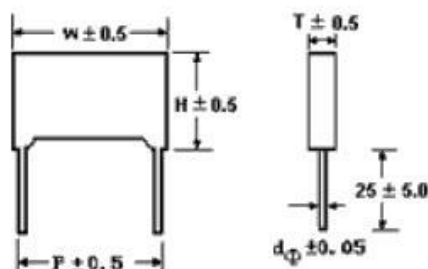
- Metallized polypropylene structure
- Compact size
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuit, etc.

■ Specifications

Dielectric	Metallized Polypropylene film		
Operating Temperature Range	- 40°C ~ +110°C		
Class	X1		
Rated Voltage	440Vac		
Maximum continuous DC voltage	1000Vdc		
Climatic Catalogue	40/110/56/B		
Capacitance Versus Rated Voltage (U_R)	0.0047~4.7uF		
Capacitance Tolerance:	M=±20% K=±10%		
Dissipation Factor	0.001uF < C _R ≤ 0.47uF	≤ 10×10 ⁻⁴ (1KHz, 20°C)	≤ 20×10 ⁻⁴ (10KHz, 20°C)
	0.47uF < C _R ≤ 1uF	≤ 20×10 ⁻⁴ (1KHz, 20°C)	≤ 40×10 ⁻⁴ (10KHz, 20°C)
	1uF < C _R	≤ 30×10 ⁻⁴ (1KHz, 20°C)	---
Voltage Proof	Between Terminals :	3400(Vdc) (2S)	
	Between Terminals To Case :	2380(Vdc) (1Min)	
Insulation Resistance	≥ 15000MΩ , C _R ≤ 0.33uF ≥ 5000 S , C _R > 0.33uF (20°C , 100V , 1 Min)		

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Outline Drawing



NOTE: $p \geq 27.5$ $p \pm 0.8$

Dimension

Unit : mm

uF	W	H	T	P	dø	uF	W	H	T	P	dø	uF	W	H	T	P	dø
0.0047	13.0	9.0	4.0	10.0	0.6	0.047	26.5	15.0	6.0	22.5	0.8	0.47	32.0	22.0	13.0	27.5	0.8
0.0056	13.0	11.0	5.0	10.0	0.6	0.056	26.5	15.0	6.0	22.5	0.8	0.56	32.0	24.5	15.0	27.5	0.8
0.0068	13.0	11.0	5.0	10.0	0.6	0.068	26.5	15.0	6.0	22.5	0.8	0.68	32.0	28.0	14.0	27.5	0.8
0.0082	13.0	12.0	6.0	10.0	0.6	0.082	26.5	16.0	7.0	22.5	0.8	0.82	32.0	33.0	18.0	27.5	0.8
0.0100	13.0	12.0	6.0	10.0	0.6	0.100	26.5	16.0	7.0	22.5	0.8	1.00	32.0	28.0	17.0	27.5	0.8
0.0120	13.0	12.0	6.0	10.0	0.6	0.120	26.5	17.0	8.5	22.5	0.8	1.00	32.0	30.0	16.0	27.5	0.8
0.0150	13.0	12.0	6.0	10.0	0.6	0.15M	26.5	17.0	8.5	22.5	0.8	1.00	32.0	33.0	18.0	27.5	0.8
0.0180	13.0	12.0	6.0	10.0	0.6	0.15K	26.5	18.5	10.0	22.5	0.8	1.20	32.0	37.0	22.0	27.5	0.8
0.0220	13.0	12.0	6.0	10.0	0.6	0.18	26.5	18.5	10.0	22.5	0.8	1.50	32.0	37.0	22.0	27.5	0.8
0.0100	17.5	11.0	5.0	15.0	0.8	0.22M	26.5	18.5	10.0	22.5	0.8	2.20	32.0	37.0	22.0	27.5	0.8
0.0120	17.5	11.0	5.0	15.0	0.8	0.22K	26.5	18.5	10.0	22.5	0.8	0.47	41.0	22.0	11.0	37.5	1.0
0.0150	17.5	11.0	5.0	15.0	0.8	0.22K	26.5	20.0	11.0	22.5	0.8	0.56	41.0	22.0	11.0	37.5	1.0
0.0180	17.5	11.0	5.0	15.0	0.8	0.27	26.5	22.0	12.0	22.5	0.8	0.68	41.0	24.0	13.0	37.5	1.0
0.0220	17.5	12.0	6.0	15.0	0.8	0.33	26.5	22.0	12.0	22.5	0.8	0.82	41.0	30.0	16.0	37.5	1.0
0.0270	17.5	12.0	6.0	15.0	0.8	0.39	26.5	24.5	15.5	22.5	0.8	1.00	41.0	30.0	16.0	37.5	1.0
0.0330	17.5	12.0	6.0	15.0	0.8	0.47	26.5	22.0	12.0	22.5	0.8	1.20	41.0	33.5	18.5	37.5	1.0
0.0390	17.5	13.5	7.5	15.0	0.8	0.47	26.5	24.5	15.5	22.5	0.8	1.50	41.0	33.5	18.5	37.5	1.0
0.0470	17.5	13.5	7.5	15.0	0.8	0.15	32.0	18.0	9.0	27.5	0.8	1.80	41.0	37.0	22.0	37.5	1.0
0.0560	17.5	14.5	8.5	15.0	0.8	0.18	32.0	18.0	9.0	27.5	0.8	2.20	41.0	33.5	18.5	37.5	1.0
0.0680	17.5	14.5	8.5	15.0	0.8	0.22	32.0	18.0	9.0	27.5	0.8	2.20	41.0	37.0	22.0	37.5	1.0
0.0820	17.5	16.0	10.0	15.0	0.8	0.27	32.0	20.0	11.0	27.5	0.8	2.70	41.0	37.0	22.0	37.5	1.0
0.1M	17.5	16.0	10.0	15.0	0.8	0.33	32.0	20.0	11.0	27.5	0.8	3.30	41.0	41.0	26.0	37.5	1.0
0.1K	17.5	19.0	11.0	15.0	0.8	0.39	32.0	22.0	13.0	27.5	0.8	3.90	41.0	43.0	28.0	37.5	1.0
0.1200	17.5	19.0	11.0	15.0	0.8	0.47	32.0	20.0	11.0	27.5	0.8	4.70	42.0	45.0	30.0	37.5	1.0

Special size or items on request