Metallized Polypropylene Film Interference Suppression Capacitor

SPKF12 MKP (X2 Class) Series

■ Features

- Withstanding over-voltage strength
- Real long-term stability
- High electricity endurance and high insulation
- High stability of capacitance and DF versus wide temperature and frequence rang

■ Applications

- line-By-Pass and Antenna coupling
- Across-the-line ,spark killer
- FMI filter
- Switching power supply

■ Specifications

Dielectric	Polypropylene film
Electrodes	Vacuum evaporated metal
Coating	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL94V-0
Leads	Radial leads of tinned wire / insulation flexible wire
Reference Standard	IEC 60384-14(3nd Edition,2005)UL1414, UL1283, GB/T14472-1998, EN60384-14
Climatic Catalogue	40/100/21(GMF)
Capacitance Versus Rated Voltage (U_R)	0.001uF-2.2uf / 275VAC (50/60Hz)
Capacitance Tolerance:	M=±20% K=±10% J=±5%
Dissipation Factor (Tangent Of Loss)	≤0.1% (at 20℃,1KHz)
Voltage Proof	4.3*U_R Unit:VDC (1 minute at 20℃)
Insulation Resistance	C≤0.33uF, IR≥15000MΩ; C>0.33uF , IR*C≥5000S (1 minute at 20℃ and RH≤65%)
Endurance	The test voltage 125% shall be applied for 1000 hours in the 85℃ chamber.Each of these voltage shall be applied to each capacitor individually through a resistor of 47Ω±5%,during this period,1000VAC 60Hz for 0.1sec be applied once each hour.After the test: ΔC/C≤10%; IR≥50% of the specified value ΔDF≤0.8% (C≤1UF); ΔDF≤0.5% (C>1UF);(at 20℃ 1KHz)

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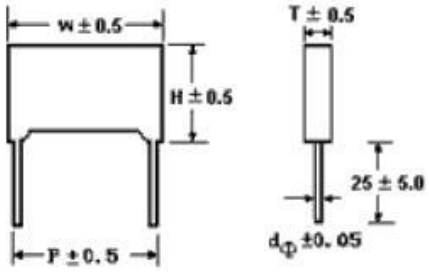
■ Outline Drawing



NOTE: p≥27.5 p±0.8

■ Dimension

Unit : mm

uF	W	H	T	P	dø	uF	W	H	T	P	dø	uF	W	H	T	P	dø
0.0010	13.0	9.0	4.0	10.0	0.6	0.039	18.0	10.0	5.0	15.0	0.6	0.33	26.5	17.0	8.5	22.5	0.8
0.0012	13.0	9.0	4.0	10.0	0.6	0.047	13.0	12.0	6.0	10.0	0.6	0.39	26.5	18.5	10.0	22.5	0.8
0.0015	13.0	9.0	4.0	10.0	0.6	0.047	18.0	10.0	5.0	15.0	0.6	0.47	18.0	16.0	10.0	15.0	0.8
0.0018	13.0	9.0	4.0	10.0	0.6	0.056	18.0	12.0	6.0	15.0	0.6	0.47	18.0	18.0	10.0	15.0	0.8
0.0022	13.0	9.0	4.0	10.0	0.6	0.068	18.0	12.0	6.0	15.0	0.6	0.47	26.5	17.0	8.5	22.5	0.8
0.0027	13.0	9.0	4.0	10.0	0.6	0.082	18.0	12.0	6.0	15.0	0.6	0.47	26.5	18.5	10.0	22.5	0.8
0.0033	13.0	11.0	5.0	10.0	0.6	0.10	13.0	12.0	6.0	10.0	0.6	0.47	32.0	20.0	11.0	27.5	0.8
0.0039	13.0	11.0	5.0	10.0	0.6	0.10	18.0	12.0	6.0	15.0	0.6	0.56	32.0	20.0	11.0	27.5	0.8
0.0047	13.0	11.0	5.0	10.0	0.6	0.10	18.0	13.5	7.5	15.0	0.8	0.68	26.5	18.5	10.0	22.5	0.8
0.0056	13.0	11.0	5.0	10.0	0.6	0.12	18.0	13.5	7.5	15.0	0.8	0.68	32.0	20.0	11.0	27.5	0.8
0.0068	13.0	11.0	5.0	10.0	0.6	0.15	18.0	12.0	6.0	15.0	0.8	0.82	32.0	22.0	13.0	27.5	0.8
0.0082	13.0	11.0	5.0	10.0	0.6	0.15	18.0	13.5	7.5	15.0	0.8	1.0	26.0	21.5	12.0	22.5	0.8
0.010	13.0	11.0	5.0	10.0	0.6	0.15	18.0	14.5	8.5	15.0	0.8	1.0	32.0	20.0	11.0	27.5	0.8
0.010	13.0	9.0	4.0	10.0	0.6	0.15	26.5	15.0	6.0	22.5	0.8	1.0	32.0	22.0	13.0	27.5	0.8
0.012	13.0	11.0	5.0	10.0	0.6	0.18	18.0	14.5	8.5	15.0	0.8	1.2	32.0	30.0	15.0	27.5	0.8
0.015	13.0	11.0	5.0	10.0	0.6	0.22	18.0	12.0	6.0	15.0	0.8	1.5	32.0	30.0	15.0	27.5	0.8
0.018	13.0	11.0	5.0	10.0	0.6	0.22	18.0	14.5	8.5	15.0	0.8	1.8	32.0	28.0	18.0	27.5	0.8
0.022	13.0	11.0	5.0	10.0	0.6	0.22	26.5	15.0	6.0	22.5	0.8	2.2	32.0	30.0	15.0	27.5	0.8
0.022	18.0	10.0	5.0	15.0	0.6	0.22	26.5	16.5	7.0	22.5	0.8	2.2	32.0	28.0	18.0	27.5	0.8
0.027	13.0	12.0	6.0	10.0	0.6	0.27	26.5	17.0	8.5	22.5	0.8	2.2	41.0	32.5	17.5	37.5	0.8
0.033	13.0	12.0	6.0	10.0	0.6	0.33	18.0	16.0	10.0	15.0	0.8						
0.033	18.0	10.0	5.0	15.0	0.6	0.33	26.5	16.5	7.0	22.5	0.8						

Special size or items on request

■ Approvals

S	Sweden 瑞典 SS4430414 (EN132400-1994/IEC 384-14)
N	Norway 挪威 NEMKO 132/85(IEC 384/14-93)
D	DENMARK 丹麦 staerkst.regl 1962/21(IEC 384/14-93)
FI	FILAND 芬兰 IEC 384/14-93
CB	IEC 384-14:93 +AM1:95
	SWITZERLAND 瑞士 SEV 1055/1978(IEC 60384-14-93)

	欧共体 VDE565 Tel1/12.79
c UL us	USA.美国/CSA 加拿大 UL1414
	GERMANY 德国 VDE 565 Teil 1/12.79
	CANADA 加拿大 C22.2 No.1-1994
CQC	CHINA 中国 CQC GB/T14472-93
c UL us	USA.美国/CSA 加拿大 UL1283