

MKP(X2 Class) Radio Interference Suppression X2 Capacitor

射频突波抑制 X2 电容器

★ FEATURE

- High stability of capacitance and DF versus wide temperature and frequency range
- High transient endurance and high dielectric strength
- Real long-term stability
- Withstanding overvoltage strength

★ APPLICATION

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

特点

- 宽温度、频率范围内，容量和DF具有高稳定性
- 高电流承受及高绝缘强度
- 长时间工作稳定性
- 能承受高压冲击

用途

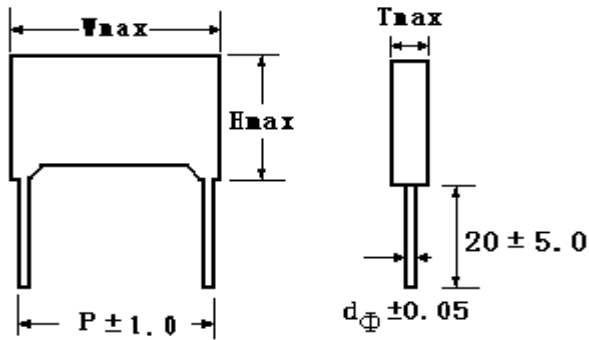
- 线间旁路和天线耦合
- 线间跨接，抑制电源电磁干扰
- 频率调制滤波
- 开关电源

★ SPECIFICATIONS 技术要求

DIELECTRIC 介质	Polypropylene film 聚丙烯薄膜
ELECTRODES 电极	Vacuum evaporated metal 真空蒸镀金属
COATING 包封	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL94V-0 阻燃盒子并以环氧树脂灌封
LEADS 导线	Radial leads of tinned wire / insulation flexible wire 径向镀锡导线或软导线
REFERENCE STANDARD 引用标准	IEC 384-14 (2nd Edition,1993) UL1414,UL1283,GB/T 14472-1998,EN132400
CLIMATIC CATALOGUE 气候类别	40/100/21 (GMF)
CAPACITANCE VERSUS RATED VOLTAGE (U _R) 静电容量与额定电压	0.001μF-2.2μF/275VAC (50/60Hz)
CAPACITANCE TOLERANCE 静电容量误差	M=±20% K=±10% J=±5%
DISSIPATION FACTOR (TANGENT OF LOSS) 散逸因素 (损耗角正切)	≤ 0.1% (at 20 °C , 1KHz)
VOLTAGE PROOF 耐电压	4.3*U _R Unit: VDC (1minute at 20 °C)
INSULATION RESISTANCE 绝缘电阻	C ≤ 0.33μF IR ≥ 15,000MΩ; C > 0.33μF IR*C ≥ 5,000S (1minute at 20 °C and RH ≤ 65%)
ENDURANCE 耐久性	The test voltage 125% shall be applied for 1000 hours in the 85 °C chamber.Each of these voltage shall be applied to each capacitor individually through a resistor of 47 Ω±5%, During this period, 1000VAC 60Hz for 0.1sec be applied once each hour. After the Test: 85 °C 试验温度下, 125%UR 交流电压 1000 小时, 试验过程中, 每个电容器串联一个 47Ω 电阻。1000V 交流电压 (60Hz), 每一小时施加 0.1S 验完成后 △ C/C ≤ 10%; IR ≥ 50% of the specified value(标称值) ; △ DF ≤ 0.8%(C ≤ 1μF); △ DF ≤ 0.5%(C > 1μF); (at 20 °C 1KHz)

★ OUTLINE DRAWING 外观图

★ PICTURE 实物图



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

★ DIMENSION 尺寸

Unit 单位 :mm

sym bol	μF	W	H	T	P	d φ	sym bol	μF	W	H	T	P	d φ	sym bol	μF	W	H	T	P	d φ
102	0.001	13.0	9.0	4.0	10.0	0.6	393	0.039	18.0	10.0	5.0	15.0	0.6	334	0.33	26.5	17.0	8.5	22.5	0.8
122	0.0012	13.0	9.0	4.0	10.0	0.6	473	0.047	13.0	12.0	6.0	10.0	0.6	394	0.39	26.5	18.5	10.0	22.5	0.8
152	0.0015	13.0	9.0	4.0	10.0	0.6	473	0.047	18.0	10.0	5.0	15.0	0.6	474	0.47	18.0	16.0	10.0	15.0	0.8
182	0.0018	13.0	9.0	4.0	10.0	0.6	563	0.056	18.0	12.0	6.0	15.0	0.6	474	0.47	18.0	18.0	10.0	15.0	0.8
222	0.0022	13.0	9.0	4.0	10.0	0.6	683	0.068	18.0	12.0	6.0	15.0	0.6	474	0.47	26.5	17.0	8.5	22.5	0.8
272	0.0027	13.0	9.0	4.0	10.0	0.6	823	0.082	18.0	12.0	6.0	15.0	0.6	474	0.47	26.5	18.5	10.0	22.5	0.8
332	0.0033	13.0	11.0	5.0	10.0	0.6	104	0.10	13.0	12.0	6.0	10.0	0.6	474	0.47	32.0	20.0	11.0	27.5	0.8
392	0.0039	13.0	11.0	5.0	10.0	0.6	104	0.10	18.0	12.0	6.0	15.0	0.6	564	0.56	32.0	20.0	11.0	27.5	0.8
472	0.0047	13.0	11.0	5.0	10.0	0.6	104	0.10	18.0	13.5	7.5	15.0	0.8	684	0.68	26.5	18.5	10.0	22.5	0.8
562	0.0056	13.0	11.0	5.0	10.0	0.6	124	0.12	18.0	13.5	7.5	15.0	0.8	684	0.68	32.0	20.0	11.0	27.5	0.8
682	0.0068	13.0	11.0	5.0	10.0	0.6	154	0.15	18.0	12.0	6.0	15.0	0.8	824	0.82	32.0	22.0	13.0	27.5	0.8
822	0.0082	13.0	11.0	5.0	10.0	0.6	154	0.15	18.0	13.5	7.5	15.0	0.8	105	1.0	26.0	21.5	12.0	22.5	0.8
103	0.010	13.0	9.0	4.0	10.0	0.6	154	0.15	18.0	14.5	8.5	15.0	0.8	105	1.0	32.0	20.0	11.0	27.5	0.8
103	0.010	13.0	11.0	5.0	10.0	0.6	154	0.15	26.5	15.0	6.0	22.5	0.8	105	1.0	32.0	22.0	13.0	27.5	0.8
123	0.012	13.0	11.0	5.0	10.0	0.6	184	0.18	18.0	14.5	8.5	15.0	0.8	125	1.2	32.0	30.0	15.0	27.5	0.8
153	0.015	13.0	11.0	5.0	10.0	0.6	224	0.22	18.0	12.0	6.0	15.0	0.8	155	1.5	32.0	30.0	15.0	27.5	0.8
183	0.018	13.0	11.0	5.0	10.0	0.6	224	0.22	18.0	14.5	8.5	15.0	0.8	185	1.8	32.0	28.0	18.0	27.5	0.8
223	0.022	13.0	11.0	5.0	10.0	0.6	224	0.22	26.5	15.0	6.0	22.5	0.8	225	2.2	32.0	30.0	15.0	27.5	0.8
223	0.022	18.0	10.0	5.0	15.0	0.6	224	0.22	26.5	16.0	7.0	22.5	0.8	225	2.2	32.0	28.0	18.0	27.5	0.8
273	0.027	13.0	12.0	6.0	10.0	0.6	274	0.27	26.5	17.0	8.5	22.5	0.8	225	2.2	41.0	32.0	17.5	37.5	1.0
333	0.033	13.0	12.0	6.0	10.0	0.6	334	0.33	18.0	16.0	10.0	15.0	0.8							
333	0.033	18.0	10.0	5.0	15.0	0.6	334	0.33	26.5	16.0	7.0	22.5	0.8							

(SPECIAL SIZE OR ITEMS ON REQUES可依据需求制作特

★ SPECIFICAT认证通过文件及引用标准

	Sweden 瑞典 EN60384-14:2005	614203
	Norway 挪威 EN60384-14:2005	P06207206
	DENMARK 丹麦 EN60384-14:2005	314078-01
	FILAND 芬兰 EN60384-14:2005	23012
	IEC60384-14(ed.3):2005	DE1-35344
	SWITZERLAND 瑞士 IEC60384-14(ed.3):2005	06.0744

	欧共体 (VDE565 Teil 1-1):2006-04	40000463
	USA 美国 /CSA 加拿大 UL1414	E152288
	GERMANY 德国 EN60384-14:2005-08	40000463
	Korea 韩国 EK K60384-14	SU03035-7001~3
	CHINA 中国 CQC GB/T14472-98	CQC 03001002847
	USA 美国 /CSA 加拿大 UL1283/CSA C22.2 No.8	E221606