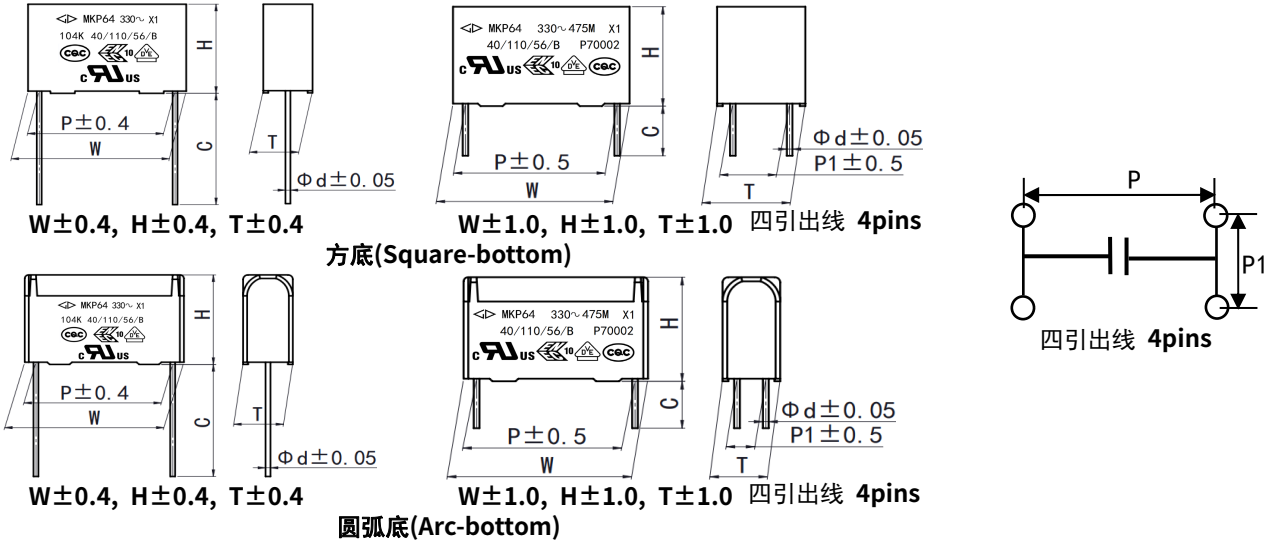


# MKP64

Code:C44

## 金属化聚丙烯膜抗干扰电容器(X1类, 330Vac) Metallized polypropylene film Interference Suppression capacitor(Class X1, 330Vac)

### 外形图 Outline Drawing



### 特点

- 金属化聚丙烯
- 能承受过压冲击
- 优异的阻燃性能
- 用于电源跨线路等抗干扰场合  
(不用于与电源串联的场合)

### Features

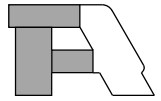
- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Used in across-the-line, interference suppression circuit  
(Not for use in series with the mains)

### 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013, X1, 330Vac, 0.0010μF ~ 15.0μF, 40/110/56/B 证书号(Certificate No.): CQC06001016943
●		ENEC-VDE (欧盟)	EN 60384-14:2013+A1:2016, X1, 330Vac, 0.0010μF ~ 15.0μF, 40/110/56/B 证书号(Certificate No.): 40021937
●		UL/CUL (美国/加拿大)	UL 60384-14:2009, CSA E60384-14:09, X1, 330Vac, 0.0010μF ~ 15.0μF, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/8

### 技术要求 Specifications

气候类别/阻燃等级 Climatic Category/Passive Flammability Category	40/110/56/B		
工作温度范围 Operating Temperature Range	-40°C ~ +110°C		
额定电压 Rated Voltage(U <sub>R</sub> )	330Vac, 50Hz/60Hz		
最大连续直流电压 Maximum continuous DC voltage	760Vdc		
电容量范围 Capacitance Range	0.010μF ~ 15.0μF		
电容量偏差 Capacitance Tolerance	±10%(K), ±20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3U <sub>R</sub> (Vdc), 2s	
	极壳之间 Between Terminals To Case:	2.160Vac, 1min	
绝缘电阻 Insulation Resistance	R ≥ 15 000Ω, C <sub>N</sub> ≤ 0.33μF	(20°C, 100V, 1min)	
	RC <sub>N</sub> ≥ 5 000s, C <sub>N</sub> > 0.33μF		
损耗角正切 Dissipation Factor(tanδ)	0.010μF ≤ C <sub>N</sub> ≤ 0.47μF	≤ 15 × 10 <sup>-4</sup> (20°C, 1kHz)	≤ 30 × 10 <sup>-4</sup> (20°C, 10kHz)
	0.47μF < C <sub>N</sub> ≤ 1.0μF	≤ 20 × 10 <sup>-4</sup> (20°C, 1kHz)	≤ 40 × 10 <sup>-4</sup> (20°C, 10kHz)
	1.0μF < C <sub>N</sub> ≤ 15.0μF	≤ 30 × 10 <sup>-4</sup> (20°C, 1kHz)	-----
注: 1. 推荐用于电网额定电压不超过250VAC场合; 2. 如果需要用到承载一定纹波电流场合, 建议选用C6A等专用的滤波电容器; 如有疑问, 请与我司技术工程师联系; 3. 若用于户外或长期湿度较大场合, 建议选用防潮设计。	Recommend for max rated supply mains voltage 250Vac application; If used in application which has ripple current applied, recommend to use AC filter series: C6A etc; If have any questions please contact our technical engineer for more detail; For outdoor or severe humidity condition application, recommend to use THB series.		



■ 产品编码说明 Part number system

■ 15 位产品代码如下:

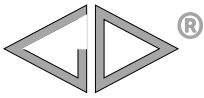
The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	4	4												

第 1~3 位	型号代码	Digit 1 to 3	Series code
	C44=MKP64		C44=MKP64
第 4~5 位	交流额定电压	Digit 4 to 5	AC rated voltage
	R1=330V		R1=330V
第 6~8 位	标称容量	Digit 6 to 8	Rated capacitance value
	举例:103=10×10 <sup>3</sup> pF=0.01μF		for example: 103=10×10 <sup>3</sup> pF=0.01μF
第 9 位	容量偏差	Digit 9	Capacitance tolerance
	K=±10%, M=±20%		K=±10%, M=±20%
第 10 位	引线脚距 P	Digit 10	Pitch
	4=10.0mm 6=15.0mm 9=22.5mm		4=10.0mm 6=15.0mm 9=22.5mm
	B=27.5mm F=37.5mm		B=27.5mm F=37.5mm
第 11 位	内部特征码	Digit 11	Internal use
第 12~15 位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code

■ Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	4 6	F=10.0mm F=15.0mm	0	表示直脚 straight	5	P3=25.4mm; H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to page 16)
C	直脚 Straight lead "C" in the figure above	代码 Code	说明 explanation			0	引线长度偏差±0.5mm 或标准长度 Length tolerance±0.5mm Or standard length
		00	标准的引线长度(18mm~26 mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				
T 3	P1=20.3mm±0.5mm P1=20mm±0.5mm	45 55	引线长度 4.5mm lead length 4.5mm 引线长度 5.5mm lead length 5.5mm			0	引线长度偏差±0.5mm 或标准长度 Length tolerance±0.5mm Or standard length



**MKP64**  
Code:C44

■ 外形尺寸 Dimensions(mm)

330Vac							330Vac							330Vac							
C <sub>N</sub> (μF)	W	H	T	P	d	Part number	C <sub>N</sub> (μF)	W	H	T	P	d	Part number	C <sub>N</sub> (μF)	W	H	T	P	d	Part number	
0.010	13.0	9.0	4.0	10.0	0.6	C44R1103-4S****	0.082	26.5	15.0	6.0	22.5	0.8	C44R1823-9S****	2.2M	32.0	28.0	17.0	27.5	0.8	C44R1225MBS****	
0.012	13.0	9.0	4.0	10.0	0.6	C44R1123-4S****	0.10	26.5	15.0	6.0	22.5	0.8	C44R1104-9S****	2.2	32.0	29.0	19.0	27.5	0.8	C44R1225-BA****	
0.015	13.0	9.0	4.0	10.0	0.6	C44R1153-4S****	0.12	26.5	15.0	6.0	22.5	0.8	C44R1124-9S****	★2.2	32.0	18.5	31.0	27.5	0.8	C44R1225-BC****	
0.018	13.0	11.0	5.0	10.0	0.6	C44R1183-4S****	0.15	26.5	15.0	6.0	22.5	0.8	C44R1154-9S****	2.2	32.0	33.0	18.0	27.5	0.8	C44R1225-BS****	
0.022	13.0	11.0	5.0	10.0	0.6	C44R1223-4S****	0.18	26.5	15.0	6.0	22.5	0.8	C44R1184-9S****	2.7	32.0	37.0	22.0	27.5	0.8	C44R1275-BS****	
0.027	13.0	11.0	5.0	10.0	0.6	C44R1273-4S****	0.22M	26.5	15.0	6.0	22.5	0.8	C44R1224M9S****	3.3	32.0	37.0	22.0	27.5	0.8	C44R1335-BS****	
0.033	13.0	11.0	5.0	10.0	0.6	C44R1333-4S****	0.22K	26.5	16.0	7.0	22.5	0.8	C44R1224K9S****	0.33	41.0	22.0	11.0	37.5	1.0	C44R1334-FS****	
0.039	13.0	12.0	6.0	10.0	0.6	C44R1393-4S****	0.27	26.5	16.0	7.0	22.5	0.8	C44R1274-9S****	0.39	41.0	22.0	11.0	37.5	1.0	C44R1394-FS****	
0.047	13.0	12.0	6.0	10.0	0.6	C44R1473-4S****	0.33	26.5	17.0	8.5	22.5	0.8	C44R1334-9S****	0.47	41.0	22.0	11.0	37.5	1.0	C44R1474-FS****	
0.056	13.0	13.0	7.0	10.0	0.6	C44R1563-4S****	0.39M	26.5	17.0	8.5	22.5	0.8	C44R1394M9S****	0.56	41.0	22.0	11.0	37.5	1.0	C44R1564-FS****	
0.068	13.0	14.0	8.0	10.0	0.6	C44R1683-4S****	0.39K	26.5	18.5	10.0	22.5	0.8	C44R1394K9S****	0.68	41.0	22.0	11.0	37.5	1.0	C44R1684-FS****	
0.010	17.5	9.5	5.0	15.0	0.6	C44R1103-6S****	0.47	26.5	18.5	10.0	22.5	0.8	C44R1474-9S****	0.82	41.0	22.0	11.0	37.5	1.0	C44R1824-FS****	
0.012	17.5	9.5	5.0	15.0	0.6	C44R1123-6S****	0.56	26.5	20.0	11.0	22.5	0.8	C44R1564-9S****	1.0	41.0	22.0	11.0	37.5	1.0	C44R1105-FS****	
0.015	17.5	9.5	5.0	15.0	0.6	C44R1153-6S****	0.68	26.5	22.0	12.0	22.5	0.8	C44R1684-9S****	1.0	42.0	15.0	24.0	37.5	1.0	C44R1105-FC****	
0.018	17.5	9.5	5.0	15.0	0.6	C44R1183-6S****	0.82M	26.5	22.0	12.0	22.5	0.8	C44R1824M9S****	1.2M	41.0	22.0	11.0	37.5	1.0	C44R1125MFS****	
0.022	17.5	9.5	5.0	15.0	0.6	C44R1223-6S****	0.82K	26.5	23.0	13.5	22.5	0.8	C44R1824K9S****	1.2K	41.0	24.0	13.0	37.5	1.0	C44R1125KFS****	
0.027	17.5	9.5	5.0	15.0	0.6	C44R1273-6S****	1.0	26.5	24.5	15.5	22.5	0.8	C44R1105-9S****	1.5	41.0	24.0	13.0	37.5	1.0	C44R1155-FS****	
0.033	17.5	9.5	5.0	15.0	0.6	C44R1333-6S****	1.2M	26.5	24.5	15.5	22.5	0.8	C44R1125M9S****	★1.5	41.0	26.0	12.0	37.5	1.0	C44R1155-FA****	
0.039	17.5	9.5	5.0	15.0	0.6	C44R1393-6S****	1.2	26.5	29.5	14.5	22.5	0.8	C44R1125-9A****	1.5	42.0	15.0	24.0	37.5	1.0	C44R1155-FC****	
0.047	17.5	11.0	5.0	15.0	0.6	C44R1473-6S****	0.15	32.0	18.0	9.0	27.5	0.8	C44R1154-BS****	1.8	41.0	26.0	15.0	37.5	1.0	C44R1185-FS****	
0.056	17.5	11.0	5.0	15.0	0.6	C44R1563-6S****	0.18	32.0	18.0	9.0	27.5	0.8	C44R1184-BS****	2.2M	41.0	26.0	15.0	37.5	1.0	C44R1225MFA****	
0.068	17.5	12.0	6.0	15.0	0.6	C44R1683-6S****	0.22	32.0	18.0	9.0	27.5	0.8	C44R1224-BS****	2.2M	42.0	28.0	14.0	37.5	1.0	C44R1225MFS****	
0.082	17.5	12.0	6.0	15.0	0.6	C44R1823-6S****	0.27	32.0	18.0	9.0	27.5	0.8	C44R1274-BS****	2.2K	41.0	30.0	16.0	37.5	1.0	C44R1225KFS****	
0.10	17.5	12.0	7.0	15.0	0.6	C44R1104-6S****	0.33	32.0	18.0	9.0	27.5	0.8	C44R1334-BS****	2.2	42.0	19.0	24.0	37.5	1.0	C44R1225-FC****	
0.10	17.5	17.5	6.0	15.0	0.6	C44R1104-6A****	0.39	32.0	18.0	9.0	27.5	0.8	C44R1394-BS****	2.7	41.0	32.0	17.0	37.5	1.0	C44R1275-FS****	
0.12	17.5	13.5	7.5	15.0	0.6	C44R1124-6S****	0.47	32.0	18.0	9.0	27.5	0.8	C44R1474-BS****	3.3M	41.0	20.0	26.0	37.5	1.0	C44R1335MFC****	
0.12	17.5	17.5	6.0	15.0	0.6	C44R1124-6A****	0.47	32.0	12.0	18.0	27.5	0.8	C44R1474-BC****	3.3	41.0	33.5	18.5	37.5	1.0	C44R1335-FS****	
0.12M	17.5	12.5	9.0	15.0	0.6	C44R1124M6B****	0.56M	32.0	18.0	9.0	27.5	0.8	C44R1564MBS****	3.9	41.0	37.0	22.0	37.5	1.0	C44R1395-FS****	
0.15M	17.5	13.5	7.5	15.0	0.6	C44R1154M6S****	0.56K	32.0	20.0	11.0	27.5	0.8	C44R1564KBS****	4.7M	42.0	24.0	32.0	37.5	1.0	C44R1475MFC****	
0.15K	17.5	14.0	8.0	15.0	0.6	C44R1154K6S****	0.68	32.0	20.0	11.0	27.5	0.8	C44R1684-BS****	4.7	41.0	37.0	22.0	37.5	1.0	C44R1475-FS****	
0.15K	17.5	18.5	7.5	15.0	0.8	C44R1154K6A****	★0.68	32.0	12.0	22.0	27.5	0.8	C44R1684-BC****	5.6	41.0	41.0	26.0	37.5	1.0	C44R1565-FS****	
0.15	17.5	12.0	13.0	15.0	0.8	C44R1154-6C****	0.82	32.0	20.0	11.0	27.5	0.8	C44R1824-BS****	6.8M	41.0	41.0	26.0	37.5	1.0	C44R1685MFS****	
0.18	17.5	14.5	8.5	15.0	0.6	C44R1184-6S****	★1.0M	32.0	12.0	22.0	27.5	0.8	C44R1105MBC****	6.8K	41.0	43.0	28.0	37.5	1.0	C44R1685KFS****	
0.18	17.5	18.5	7.5	15.0	0.8	C44R1184-6A****	1.0M	32.0	22.0	13.0	27.5	0.8	C44R1105MBS****	8.2	42.0	45.0	30.0	37.5	1.0	C44R1825-FS****	
0.22M	17.5	14.5	8.5	15.0	0.6	C44R1224M6A****	1.0K	32.0	25.0	13.0	27.5	0.8	C44R1105KBS****	8.2	57.0	45.0	30.0	52.5	1.2	C44R1825-MST****	
0.22	17.5	16.0	10.0	15.0	0.8	C44R1224-6S****	1.2	32.0	24.5	15.0	27.5	0.8	C44R1125-BS****	10.0	57.0	45.0	30.0	52.5	1.2	C44R1106-MST****	
0.27	17.5	19.0	11.0	15.0	0.8	C44R1274-6S****	1.2	32.0	28.0	14.0	27.5	0.8	C44R1125-BA****	12.0	57.0	45.0	30.0	52.5	1.2	C44R1126-MST****	
0.33	17.5	19.0	11.0	15.0	0.8	C44R1334-6S****	1.5	32.0	24.5	15.0	27.5	0.8	C44R1155-BS****	15.0	57.0	50.0	35.0	52.5	1.2	C44R1156-MST****	
0.039	26.5	15.0	6.0	22.5	0.8	C44R1393-9S****	1.5	32.0	28.0	14.0	27.5	0.8	C44R1155-BA****								
0.047	26.5	15.0	6.0	22.5	0.8	C44R1473-9S****	★1.5	32.0	16.0	27.5	27.5	0.8	C44R1155-BC****								
0.056	26.5	15.0	6.0	22.5	0.8	C44R1563-9S****	1.8	32.0	28.0	17.0	27.5	0.8	C44R1185-BS****								
0.068	26.5	15.0	6.0	22.5	0.8	C44R1683-9S****	1.8	32.0	30.0	16.0	27.5	0.8	C44R1185-BA****								

备注 Note: 1. “-”表示容量偏差。“”=capacitance tolerance code. M=±20%, K=±10%.

2. “\*\*\*\*”表示引线加工和包装代码(见表1)。“\*\*\*\*”=lead form and packing code(refer to table 1).

3. 不用于与电源串联的场合,与电源串联用请参见降压专用电容器 P153.

Not for use in series with the mains,the capacitors for series with the mains,please refer Page 153.

4. “★”表示外壳为圆弧底。“★”=Arc bottom of the outer shell.