

# 瓷介电容器 Ceramic Capacitors









## 特性 Feature

- 容量范围 Wide capacitance range from 100pF to 10000pF
- 工作温度 Operating Temperature: -40℃~125℃
- 存储温度 Storage Temperature: -10℃~40℃

## 应用 Applications

瓷介电容器适用于电子设备的电源电路噪声抑制电路中，也可用于天线耦合跨接和旁路电路中。  
These products Can be used in noise suppression of power supply circuit for general electronic equipment, and might be used as antenna coupling, crossing and bypass circuit.

## 使用标准Applicable Standard

通过认证 APPROVAL	认证组织 ORGANIZATION	标准. SAFTY STANDARDS	证书 CERTIFICATE NO.
	UL CUL	UL60384-14	E154899
	CSA	CAN/CSA-E60384-14	2405436 2405437
	(VDE+ENEC)VD E	IEC 60384 -14	40036393 40036246
	SEMKO	EN60384-14	1914801
	KTC	K60384 - 14	HU03004-16006A HU03004-16007A HU03004-16008A
	NEMKO	EN60384-14	P19223823
	DEMKO	EN60384-14	D-03468-M1
	FIMKO	IEC 60384 -14	FI 40341
	SEV	IEC 60384 -14	19.0474 19.0475
	CQC	IEC 60384 -14	CQC15001124387 CQC15001124387 CQC15001127382

# 产品型号 Part Number

DCF 331 K 30 Y5P G 6 B L 0 □ □

## 型号 Type:

DCF: 交流圆片瓷介电容器  
DCG: 超高压瓷片电容器  
DCH: 高压圆片瓷介电容器

## 电容量 (Capacitance):

470: 47pF  
471: 470pF  
472: 2200pF  
103: 10000pF

## 电容量允许偏差

### Capacitance Tolerance:

M=20%      Z=+80%-20%  
K=±10%    J=±5%

## 尺寸代码 Size:

见规格详情  
See the specification

## 温度特性

### temperature characteristic:

Y5P, Y5U, Y5V

## 额定电压 Rated voltage:

N=1KVDC    P=2KVDC    R=3KVDC  
G=X1 400VAC    Y1 250VAC    Q=X1 400VAC/Y2 250VAC

## 电极材料:

**Electrode Material**  
Copper or Silver electrode

## 内部管理代码

**Interior managing**

## 位引线间距 Lead spacing:

5=5.0mm    7=7.5mm    0=10mm

## 引线式样 Lead style:

L、J、  
见引线形状 see the lead style  
Figure1-2 and figure 1-3

## 位引线长度/包装方法/

### Lead length/package:

B=26.0±1.0mm, L=2.3±0.3mm  
D=4.5±0.5mm, J=3.2±0.3mm,  
W=3.4±0.3mm, K=2.8±0.5mm,  
F=12.7mm 编带/扇折, V=15.0mm 编带/扇折

## 引线直径 Lead diameter:

CP 线:  
6=0.55±0.05mm    8=0.78±0.05mm

## 脚型 Lead style

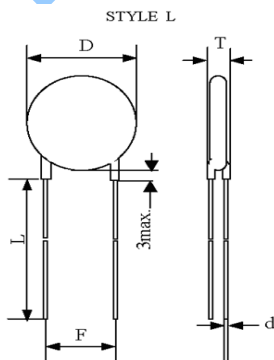


Figure 1-2

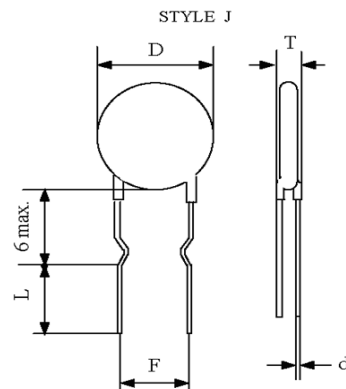


Figure 1-3

# 规格Specification

SHM 产品代码 SHM Part No.	额定电压 Rated voltage (KV)	标称容量 Nominal capacitance (pF)	电容量 允许偏差范围 Tolerance (%)	温度特性 Temperature Characteristic	产品尺寸(mm)				
					直径 Dmax (mm)	厚度 Tmax (mm)	引线间 距 F(mm)	引线直径 d (mm)	引线长 度 L (mm)/编 带方式
DCF101K26Y5PQ6BL7A0	Y2 300~	100	±10%	Y5P (B)	6.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF221K26Y5PQ6BL7A0	Y2 300~	220	±10%	Y5P (B)	6.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF471K26Y5PQ6BL7A0	Y2 300~	470	±10%	Y5P (B)	6.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF681K26Y5PQ6BL7A0	Y2 300~	680	±10%	Y5P (B)	6.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF102K36Y5PQ6BL7A0	Y2 300~	1000	±10%	Y5P (B)	9.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF102M26Y5VQ6BL7A0	Y2 300~	1000	±20%	Y5V (F)	6.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF102M34Y5UQ6BL7A0	Y2 300~	1000	±20%	Y5U (E)	9.0	5.0	7.5±1.0	0.55±0.05	25min.
DCF222M34Y5VQ6BL7A0	Y2 300~	2200	±20%	Y5V (F)	9.0	5.0	7.5±1.0	0.55±0.05	25min.
DCF222M39Y5UQ6BL7A0	Y2 300~	2200	±20%	Y5U (E)	10.5	5.0	7.5±1.0	0.55±0.05	25min.
DCF332M36Y5VQ6BL7A0	Y2 300~	3300	±20%	Y5V (F)	9.8	5.0	7.5±1.0	0.55±0.05	25min.
DCF332M46Y5UQ6BL7A0	Y2 300~	3300	±20%	Y5U (E)	12.3	5.0	7.5±1.0	0.55±0.05	25min.
DCF472M39Y5VQ6BL7A0	Y2 300~	4700	±20%	Y5V (F)	10.5	5.0	7.5±1.0	0.55±0.05	25min.
DCF103M56Y5VQ6BL7A0	Y2 300~	10000	±20%	Y5V (F)	14.7	5.0	7.5±1.0	0.55±0.05	25min.
DCF101K26Y5PG6BL0A0	Y1 400~	100	±10%	Y5P (B)	6.8	6.0	10.0±1.0	0.55±0.05	25min.
DCF221K26Y5PG6BL0A0	Y1 400~	220	±10%	Y5P (B)	6.8	6.0	10.0±1.0	0.55±0.05	25min.
DCF331K30Y5PG6BL0A0	Y1 400~	330	±10%	Y5P (B)	7.8	6.0	10.0±1.0	0.55±0.05	25min.
DCF471K34Y5PG6BL0A0	Y1 400~	470	±10%	Y5P (B)	9.0	6.0	10.0±1.0	0.55±0.05	25min.
DCF102M34Y5UG6BL0A0	Y1 400~	1000	±20%	Y5U (E)	9.0	6.0	10.0±1.0	0.55±0.05	25min.
DCF152M36Y5UG6BL0A0	Y1 400~	1500	±20%	Y5U (E)	9.8	6.0	10.0±1.0	0.55±0.05	25min.
DCF222M34Y5VG6BL0A0	Y1 400~	2200	±20%	Y5V (F)	9.0	6.0	10.0±1.0	0.55±0.05	25min.
DCF222M39Y5UG6BL0A0	Y1 400~	2200	±20%	Y5U (E)	10.5	6.0	10.0±1.0	0.55±0.05	25min.
DCF332M39Y5VG6BL0A0	Y1 400~	3300	±20%	Y5V (F)	10.5	6.0	10.0±1.0	0.55±0.05	25min.
DCF472M46Y5VG6BL0A0	Y1 400~	4700	±20%	Y5V (F)	12.3	6.0	10.0±1.0	0.55±0.05	25min.

## 电性能指标 Electrical Performance

序号 No.	项目名称 Item		技术要求 Specification	
1	容量和误差 C		@25°C, 1 kHz and 1 Vrms	参照规格表 See the specification
2	损耗系数 DF		@25°C, 1 kHz and 1 Vrms	2.5% max.
3	绝缘电阻 IR		@500 VDC, 60S	10000MΩmin
4	耐电压 Rate Voltage	X1/Y2	2600Vrms	无击穿或飞弧。 No visible damage
		X1/Y1	4000Vrms	
5	温度特性 temperature characteristic	Y5P		±10%
		Y5U		+22% to -56%
		Y5V		+22% to -82%

## 标志 Marking

例如 e.g

正面	反面
	

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[MPX474K31DTEV158G0](#) [CY1471ME19EE45W2A2](#) [MPX104K31D2KN158HF](#) [MPX224K31D2KN158G0](#) [PX104K2W1502](#)  
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[ST1Y1Y5V222M500VAC](#)