

独石瓷介电容器

Radial direction lead monolithic ceramic capacitors

特性 Feature

- 容量范围 Wide capacitance range from 10pF to 10uF
- 工作温度 Operating Temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- 存储温度 Storage Temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

应用 Applications

小型、超小型电子设备（如液晶手表和微型仪器）。□

Small, ultra-small electronic devices (such as liquid crystal watches and micro-devices).

电子精密仪器。□

Electronic precision instruments

主要用在电子整机中的隔直、振荡、耦合、滤波、旁路等电路中。

Mainly used in the circuit of bypass, filter, coupling etc.

产品型号 Part Number

CCT 104 K 85 Y5P F 5 F H 5 □□

型号 Type:

CCT: II类独石电容器

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:

F=50VDC

H=100VDC

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

位引线长度/包装方法/

Lead length/package:

B=20min.mm, 6=6.0±0.5mm

0=10.0±0.5mm, 8=8.0±0.5mm,

W=3.4±0.3mm, A=7.0±0.5mm, 3=3.0±0.3mm

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 5=0.48±0.05mm

脚型 Lead style

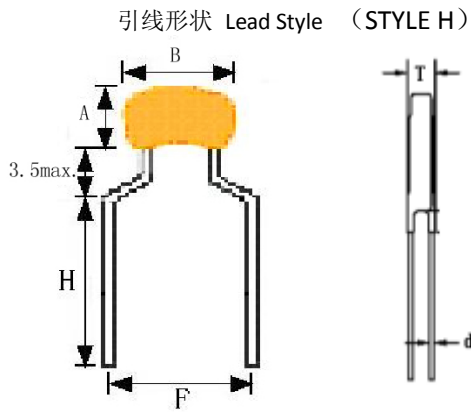


figure 1

规格Specification


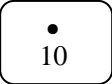
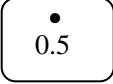
SHM 产品代码 SHM Part No.	额定电压 Rated voltage (kV)	标称容量 Nominal capacitance (pF)	电容量允许偏差范围 Tolerance (%)	温度特性 Temperature Characteristic	产品尺寸(mm)				
					长宽 Length and Width BxA max(mm)	厚度 Tmax (mm)	引线间距 F(mm)	引线直径 d (mm)	散件 / 编带
CCT103K85X7RF5WH5A0	50	10000	±10%	X7R	4.2×3.8	3.8	5.0	0.48±0.05	散件
CCT103K85X7RH5WH5A0	100	10000	±10%	X7R	4.2×3.8	3.8	5.0	0.48±0.05	散件
CCT104K85X7RF5FH5A0	50	100000	±10%	X7R	4.2×3.8	3.8	5.0	0.48±0.05	编带
CCT104KC6X7RF50H5A0	50	100000	±10%	X7R	5.0×4.5	3.8	5.0	0.48±0.05	散件
CCT104KC6X7RF5FH5A0	50	100000	±10%	X7R	5.0×4.5	3.8	5.0	0.48±0.05	编带
CCT105KC6X7RF5FH5A0	50	1000000	±10%	X7R	5.0×4.5	3.8	5.0	0.48±0.05	编带
CCT471K85X7RF5FH5A0	50	470	±10%	X7R	4.2×3.8	3.8	5.0	0.48±0.05	编带
CCT472KC6X7RF50H5A0	50	4700	±10%	X7R	5.0×4.5	3.8	5.0	0.48±0.05	散件
CCT681K85X7RF5WH5A0	50	680	±10%	X7R	4.2×3.8	3.8	5.0	0.48±0.05	散件

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	5.0% max.
3	绝缘电阻 IR		@额定电压 VDC,60S	C≤25F IR≥4000MΩ C>25F RC≥100ΩF
4	耐电压 Rate Voltage	50VDC	250%额定电压	无击穿或飞弧。 No visible damage
		100VDC		
5	温度特性 temperature characteristic		X7R	±15%

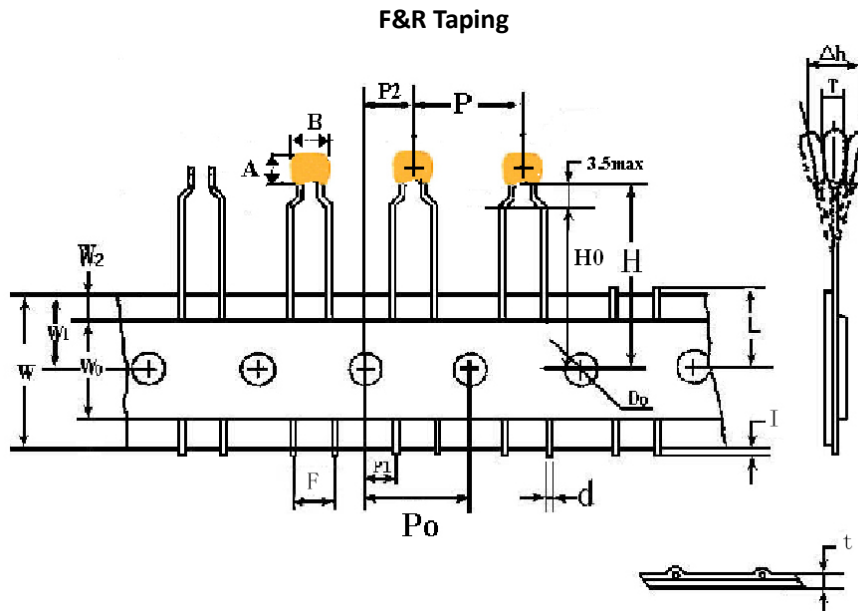
标志 Marking

例如 e.g

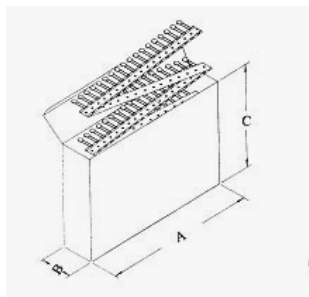
正面 Front			
反面 Back	空白 Blank	空白 Blank	空白 Blank

编带样式 Taping style

F 式样编带和包装 F style Taping and Packing:



编带的包装式样 Taped packing style



卷带包装 Reel packing 盒带包装 Ammo packing

A	C	B
340 max	280 max	52 max

备注：F 是盒带包装，

Note: F is Ammo packing and

Symbol	Dimensions
P0	12.7±0.2mm
P	12.7±1.0mm
F	5.0±0.5mm
P1	3.85±0.4mm
P2	6.35±0.4mm
H	20±0.5mm (仅供参考 For reference only)
H0	16.0±0.5mm
W	18±0.5mm
W0	8.0min
W1	9±0.3mm
W2	3Max
t	0.7±0.2mm
B	To comply with individual sheet
A	To comply with individual sheet
D0	4.0±0.2mm
d	To comply with individual sheet
I	2.0max
T	To comply with individual sheet
Δh	1max

figure 2