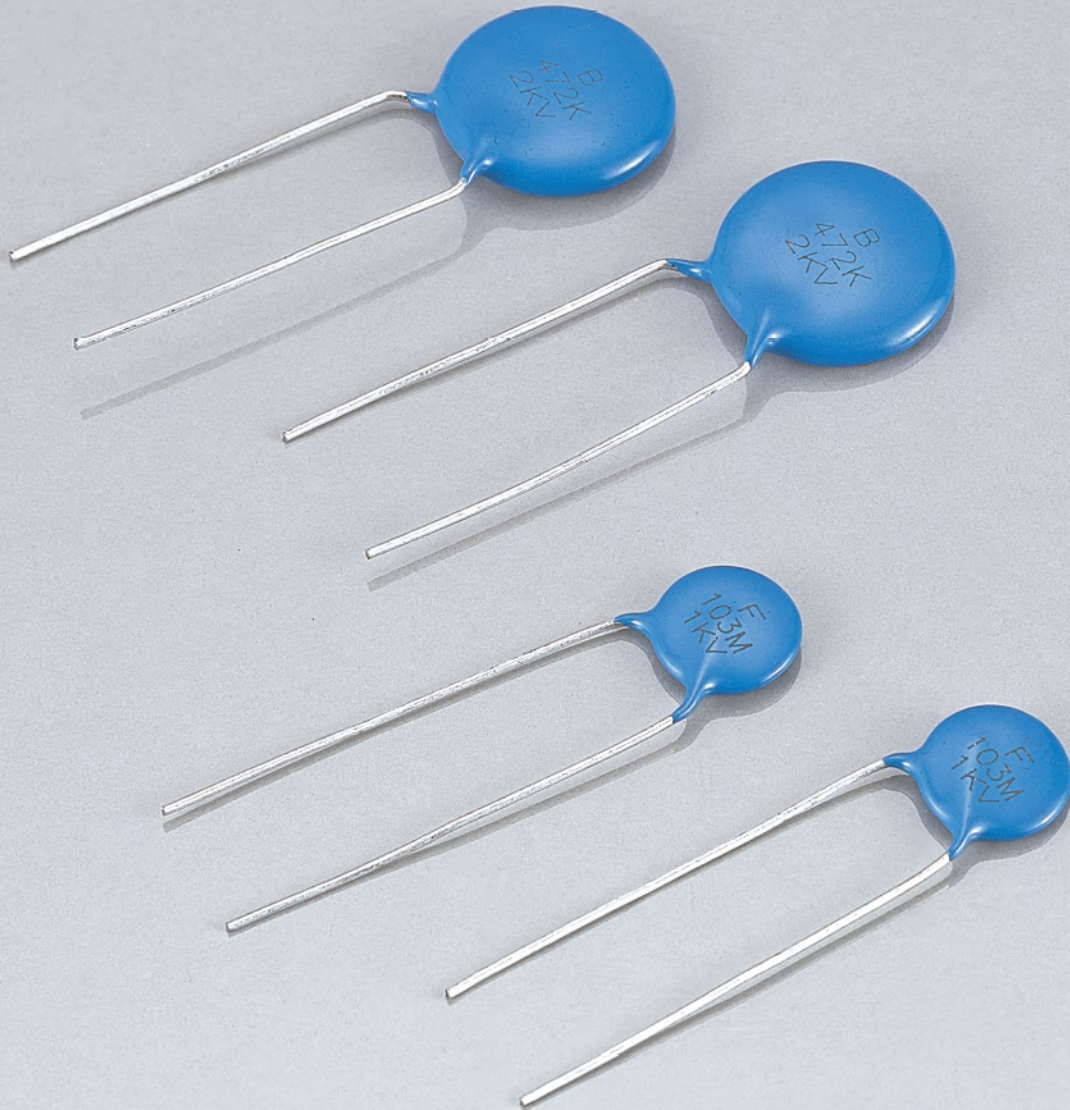




ISND

Disc Type High Voltage Ceramic Capacitors



Disc Type High Voltage Ceramic Capacitor

概述 OUTLINE

圆板型中高压陶瓷电容器分为 I 类高频低损品、II 类高介电常数品、II 类高介低损品三类，分别适应不同的设计需求。采用高可靠性介质芯片、小型化设计，引线结构，树脂封装，确保制品的高信赖性。

Disc type high-voltage ceramic capacitors are divided into Class I high-frequency low-loss products and Class II high-dielectric constant products and Class II high-dielectric constant low-loss products, to meet the different requirement of application. The capacitors are used in high-quality dielectric material and epoxy resin coating, as well as the small size and radial lead type structure ensure high reliability.

品名构成说明 Part Name

[e.g]	HCT	81	B	3A	102	K	S	5	6	A
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

① 电容器种类别(TYPE)

HCC: 高频低损品(I 类)

HCT: 高介电常数品(II 类)

HCR: 高介低损品(II 类)

HCC: Low Dissipation Factor (Class I)

HCT: High Dielectric Constant Type (Class II)

HCR: Low Dissipation Factor (Class II)

② 形状(TYPE)

81: 圆片型 DISC TYPE

③ 温度特性(Code of temperature characteristics)

代码 CODE	温度特性 Temp.Charat	容量变化率 Capacitance Change	温度范围 Temperature Range
C	CH	0±60ppm/°C	-25~85°C
S	SL	+350~-1000ppm/°C	
R	Y5R	±15%	
B	Y5P	±10%	
E	Y5U	+22%~-56%	
F	Y5V	+22%~-82%	

④ 额定电压(Rated Voltage)

代码 CODE	额定电压 Rated Voltage
3A	DC 1KV
3D	DC 2KV
3F	DC 3KV
3G	DC 4KV
3J	DC 6KV

⑤ 公称静电容量 (Nominal Capacitance Unit : pF)

三数字法：前二位数字表示有效值，第三位数字表示“0”的个数。小数点用“R”表示。

Disc Type High Voltage Ceramic Capacitor

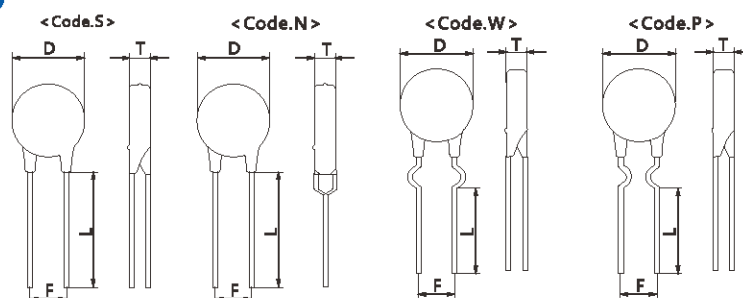
Expressed by three figures. The first and the second figures are significant digits, and the third figure denotes the number of zeros. "R" is used to denote the decimal point.

[e.g.] 1R5:1.5pF 030 : 3 pF 102:1,000pF

⑥ 静电容量公差(Code of Capacitance Tolerance)

代码 CODE	许容差 Capacitance Tolerance	代码 CODE	许容差 Capacitance Tolerance
C	±0.25 pF	K	±10%
D	±0.50 pF	M	±20%
J	±5%	Z	-20%~+80%

⑦ 引脚形状(Lead Style)



代码 CODE	引脚形状 Lead Style	备注 Note
S	直脚导线型 Straight Lead	见上图
N	侧弯导线型 Vertical Crimped	
W	外弯导线型 Outer crimped	
P	内弯导线型 Inner crimped	

⑧ 引脚间距(Lead Spacing)

代码 CODE	5	7	1
引脚间距 Lead Spacing (mm)	5.0±0.5	7.5±0.5	10±0.5

⑨ 引脚长度(Lead length)

代码 CODE	L寸法尺寸 L Size (mm)	代码 CODE	L寸法尺寸 L Size (mm)
2	3.5±0.5	9	>17.0
4	5.0±0.5	0	编带品 Taping
6	7.5±0.5		

⑩ 设计管理序号(Design Code)

高频低损品

特点：

- 温度特性SL(+350,-1000ppm/°C),Q值高,高频损失小,自发热温度低
- 额定电压1KV,2KV,3KV,6KV;介电强度高,过压能力强小型化设计,引线结构,树脂封装,具有良好的抗振动性和防潮湿能力
- 蓝色环氧树脂封装,具有高阻燃性符合UL-94V-0标准
- 符合RoHS指令要求

HCC TYPE - Low Dissipation Factor (CLASS I)

FEATURES :

- Temperature characteristics SL(+350, -100ppm/°C) has high Q value and low-loss at high frequency and low self-heating.
- Rated Voltage 1KV,2KV,3KV,6KV and high breakdown voltage. Small size and lead type and resin coating ensure excellent anti-vibration and humidity resistivity
- Coated with flame-retardant blue epoxy resin confirming to UL-94V-0 standard.
- Confirming to RoHS Directives.

应用：

用于电子线路中作谐振、高压电路耦合、高频杂波吸收等用途，如报警器谐振电路、LCD背光电路、电视/监视器水平输出电路、开关电源电路。

APPLICATIONS :

Used in electronic circuits for resonant, high-voltage circuit-coupled, high-frequency surge absorption, such as alarm resonant circuits, LCD backup lighting circuit, CRT color TV or monitor horizontal output circuits, switching power supply circuit.

品名规格 Part number and characteristics

温度特性 SL(Temperature characteristics:SL)

品名 Part number	静电容量 Nominal Capacitance (pF)	尺寸 Size(mm)											
		1KV			2KV			3KV			6KV		
		D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)
HCC81S□030C□□	3	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	7.0	10	7.0
HCC81S□050D□□	5	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	7.0	10	7.0
HCC81S□080D□□	8	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	7.0	10	7.0
HCC81S□100D□□	10	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	7.0	10	7.0
HCC81S□120J□□	12	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	7.5	10	7.0
HCC81S□150J□□	15	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	8.0	10	7.0
HCC81S□180J□□	18	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	8.5	10	7.0
HCC81S□220J□□	22	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	9.0	10	7.0
HCC81S□270J□□	27	6.0	5.0	4.0	6.0	5.0	5.0	6.0	7.5	6.0	9.5	10	7.0
HCC81S□330J□□	33	6.0	5.0	4.0	6.0	5.0	5.0	6.5	7.5	6.0	11	10	7.0
HCC81S□390J□□	39	6.0	5.0	4.0	6.0	5.0	5.0	6.5	7.5	6.0	12	10	7.0
HCC81S□470J□□	47	6.0	5.0	4.0	6.0	5.0	5.0	7.0	7.5	6.0	12	10	7.0
HCC81S□560J□□	56	6.0	5.0	4.0	6.5	5.0	5.0	7.5	7.5	6.0	12	10	7.0

注：

- 引脚间距代码(Lead Spacing)
- 引脚形状代码(Lead Style)
- 3A/3D/3F/3J(额定电压:Rated Voltage 1KV/2KV/3KV/6KV)

Disc Type High Voltage Ceramic Capacitor

品名规格 Part number and characteristics

温度特性 SL(Temperature characteristics:SL)

品名 Part number	静电容量 Nominal Capacitance (pF)	尺寸 Size(mm)											
		1KV			2KV			3KV			6KV		
		D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)	D(max)	F±0.5	T(max)
HCC81S□680J□□	68	6.0	5.0	4.0	7.0	5.0	5.0	8.0	7.5	6.0	13	10	7.0
HCC81S□820J□□	82	6.0	5.0	4.0	7.5	5.0	5.0	8.5	7.5	6.0	14	10	7.0
HCC81S□101J□□	100	7.0	5.0	4.0	8.0	5.0	5.0	9.0	7.5	6.0	15	10	7.0
HCC81S□121J□□	120	7.5	5.0	4.0	8.5	5.0	5.0	10	7.5	6.0			
HCC81S□151J□□	150	8.0	5.0	4.0	9.0	5.0	5.0	11	7.5	6.0			
HCC81S□181J□□	180	8.5	5.0	4.0	9.5	5.0	5.0	12	7.5	6.0			
HCC81S□221J□□	220	9.0	5.0	4.0	11	5.0	5.0	13	7.5	6.0			
HCC81S□271J□□	270	9.5	5.0	4.0	12	5.0	5.0	14	7.5	6.0			
HCC81S□331J□□	330	11	5.0	4.0	12	5.0	5.0	15	7.5	6.0			
HCC81S□391J□□	390	11	5.0	4.0	13	5.0	5.0	16	10	6.0			
HCC81S□471J□□	470	12	5.0	4.0	14	5.0	5.0	17	10	6.0			
HCC81S□561J□□	560	13	5.0	4.0	15	7.5	5.0						
HCC81S□681J□□	680	14	5.0	4.0	17	7.5	5.0						
HCC81S□821J□□	820	15	5.0	4.0									
HCC81S□102J□□	1000	17	5.0	4.0									

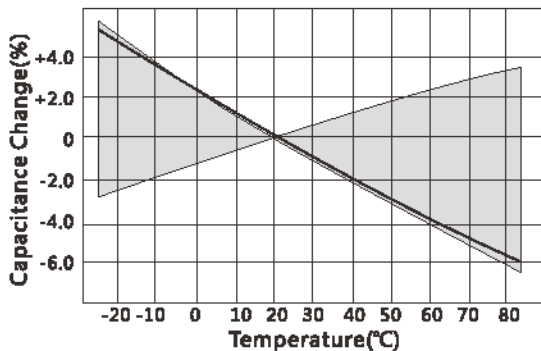
注：

- 引脚间距代码(Lead Spacing)
- 引脚形状代码(Lead Style)
- 3A/3D/3F/3J(额定电压:Rated Voltage 1KV/2KV/3KV/6KV)

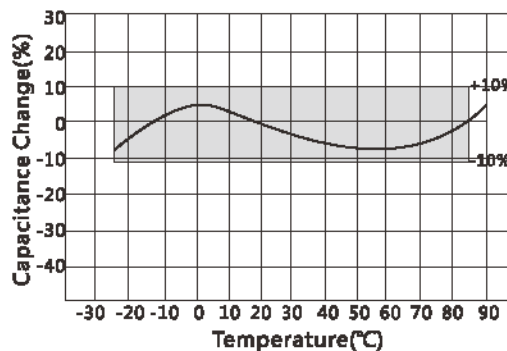
容量-温度特性 (Capacitance-Temperature characteristics)

特性参数 (Rating and Characteristics)

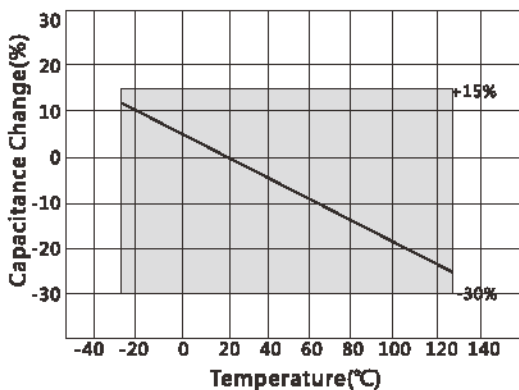
Char:SL



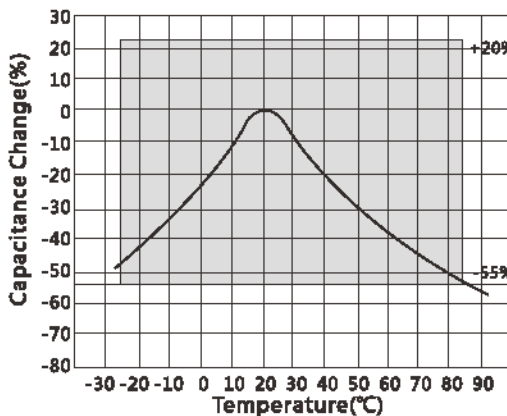
Char:B(Y5P)



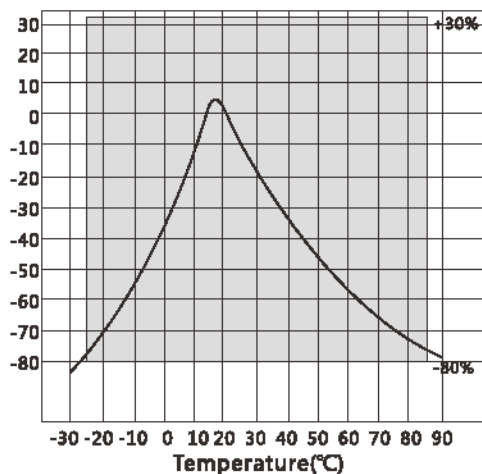
Char:R(Y5R)



Char:E(Y5U)



Char:F(Y5V)



单击下面可查看定价，库存，交付和生命周期等信息

[>>ISND\(华信安\)](#)