

陶瓷电容器芯片

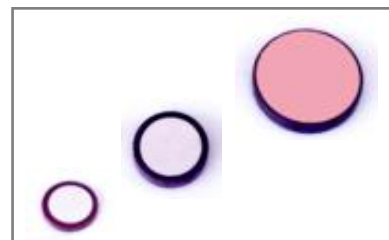
Ceramic Capacitor Chip

◆特征

Feature

* 符合 GB/T 5966 / IEC 384-8、GB/T 5968 / IEC 384-9、GB/T 6346.14-2015 / IEC 60384.14-2005 及 AEC-Q200 REV D 认证标准。

Comply with GB/T 5966 / IEC 384-8、GB/T 5968 / IEC 384-9、GB/T 6346.14-2015 / IEC 60384.14-2005 and AEC-Q200 REV D



◆应用

Application

* 适于在电子设备中作为跨电源线连接、天线耦合、旁路、滤波等。

It is suitable for cross power line connection, antenna coupling, by-pass, filter and so on in electronic equipment

◆型号表示法

Part Number

XXX	-	XXXXXX	-	XXX	X	-	XXX	XX	X
材料代码		尺寸代码		容量代码	容差		额定电压	产品类型	特殊代码
Material code		Dimension code		Capacity code	Tolerance		Rated voltage	Product type	Special code
①		②		③	④		⑤	⑥	⑦

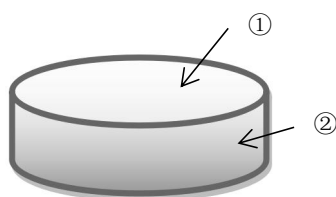
具体说明 Description

序号 NO	具体说明 Description
①	<p>材料代码：表示产品所用材料类型，温度特性如 Y5U、Y5P、Y5V、SL、DL、N750</p> <p>Material code: indicates the type of material used in the product, temperature characteristics such as Y5U, Y5P, Y5V, SL, DL, N750</p>
②	<p>尺寸代码：表示产品的规格尺寸 mm（直径+厚度），由 4-6 位阿拉伯数字组成，其中前 2-3 位表示产品直径，后 2-3 位表示产品厚度。如 4860---直径 4.8mm、厚度 0.6mm；5 位数，如 73185---直径：7.3mm、厚度：1.85mm；6 位数，如 120180---直径 12mm、厚度：1.80mm</p> <p>Size code: indicates the product specification size mm (diameter + thickness), consisting of 4-6 Arabic digits, where the first 2-3 digits indicate the diameter of the product and the last 2-3 digits indicate the thickness of the product. Such as 4860-- diameter 4.8mm, thickness 0.6mm; 5 digits, such as 73185-- diameter: 7.3mm, thickness :1.85mm; 6 digits, such as 120180-- diameter 12mm, thickness 1.80mm</p>
③	<p>容量代码（单位 pF）：由 3 位阿拉伯数字组成，其中前 2 位为有效数字，后 1 位为 10 的幂数（即有效数字后有多少个 0）如 681 表示 680PF</p>

	Capacity code (pF) : consists of three digits in Arabic, where the first two digits are significant digits and the last digit is a power of 10 (that is, how many zeros are after the significant digit). For example, 681 indicates 680pF
④	容差: J— $\pm 5\%$; K— $\pm 10\%$; M— $\pm 20\%$; Z— $(-20\%, +80\%)$ Tolerance: J -- $\pm 5\%$; K -- $\pm 10\%$; M -- $\pm 20\%$; Z - $(20\%, + 80\%)$
⑤	额定电压: 由“1-3 位阿拉伯数字+电压单位”组成, 如 250V、400V、1KV Rated voltage: consists of "1-3 Arabic numerals + voltage units", such as 250V, 400V, 1KV
⑥	产品类型: 其中 AC—表示交流产品, 缺省时表示直流产品 Product type: AC - Indicates an AC product. By default, it indicates a DC product
⑦	特殊代码: 由 1 个大写字母组成, 其中缺省时表示普通产品; S—表示小型化产品; V—表示车规品 Special code: consists of one uppercase letter, which indicates common products by default; S - stands for miniaturized products; V - stands for vehicle specification

◆ 产品结构

Product Structure



① 电极: 银或铜

Electrode: Ag / Cu

② 瓷体: 陶瓷介质

Ceramic body: ceramic medium

◆ 容值范围

Capacity Range

额定电压 Rated Voltage	Y5P	Y5U	Y5V	SL	N750	DL
Y1: 500VAC, 400VAC	100~1000pF	470~4700pF	1000~4700pF	22~150PF	8~68PF	68~560PF
Y2: 300VAC, 250VAC	100~1000pF	470~4700pF	1000~10000pF	33~220PF	10~100PF	100~820PF
CT81(2KV~15KV)	56~4700pF	220~12000pF	470~22000pF	-	-	-
CC81((2KV~15KV)	-	-	-	10~330pF	4~150pF	27~1200pF

◆参数要求及测试条件
Parameter Requirements And Test Conditions

序号 Number	项目 Item	性能要求 Performance requirement	检测方法 Test method		
1	静电容量 Capacitance	在規定允許公差之內 Within the specified Tolerance	测试频率和测试电压 Measuring frequency & Measuring voltage:		
2	损耗角正切值 Loss angle Tangent value	Y5P: $Tg\delta \leq 0.025$ Y5U: $Tg\delta \leq 0.030$ Y5V: $Tg\delta \leq 0.035$ SL: $Tg\delta \leq 0.0015$ N750: $Tg\delta \leq 0.0015$ DL: $Tg\delta \leq 0.0020$	Y5P、Y5U、Y5V: 1±0.1KHz, 1.0Vrms; SL、N750、DL 1±0.1MHz, 1.0Vrms 测试环境温度 Measuring temperature: 25±2℃		
3	绝缘电阻 Insulation resistance	IR≥10000MΩ	测试电压 Test voltage: 500VDC 施加时间 Application time: 60±5S		
4	端子间耐电压 Resistance between terminal voltage	无击穿 No breakdown	产品类型 Product Type	测试电压 Test Voltage	充放电电流 Charge/ discharge current : <50mA
			UR: CT7-Y1 -500VAC,400VAC UR: CT7-Y2 -300VAC,250VAC	UT=10 UR	
			UR: CT81 UR: CC81	UR≤2KV: UT=4KV UR≥3KV UT=1.5UR+500V	-

◆包装
Packaging

散包装 Bulking	
最小包装产品数量 Minimum number of packaged products	整箱包装数量 Quantity packed in whole case
0.8~60Kpcs	4.8~360Kpcs

◆产品的储存

Product 's Storage

- * 产品储存场地要整洁、干燥、通风、无漏水、无污染。

Product storage site to clean, dry and ventilated, no leakage, no pollution.

- * 产品长时间储存时不易直接放在地面，要放在托架上进行防潮。

Products seldom directly on the ground, when stored for a long time to put on the bracket to moisture proof.

- * 注意按包装箱上的堆放高度对产品进行堆放。

Note based on the stacking height of packing products to pile up.