



# 瓷介电容器

## □用途

该产品主要用于彩电、计算机显示器、复印机、医疗设备、照明等的电源电路、输出电路等部分。

Using for H-out and supply circuits of color TV and monitor、copy machine、Medical equipment、lighting.



# Ceramic Capacitors

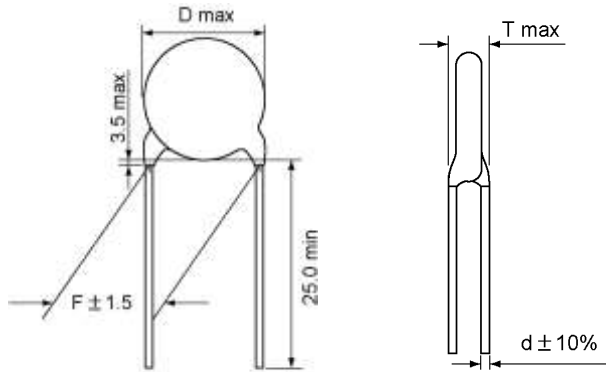
## □Application

## □外观及结构(Appearance and Structure)

编 码 CODE	品 名 CODE NO.	Dmax (mm)	Tmax (mm)	F (mm)	d(mm)
	CT81-25KV-2R4-471K	16.0	9.0	10.0	0.8
	CT81-10KV-2D4-102K	20.0	8.0	13.0	0.8
	CT81-15KV-2D4-102K	20.0	8.0	13.0	0.8
	CT81-15KV-Y5T-102M	20.0	9.0	12.5	0.8
	CT81-20KV-2D4-102K	25.0	11.0	13.0	0.8
	CT81-20KV-2B4-471K	15.0	9.0	10.0	0.8
	CT81-15KV-2B4-102K	18.0	10.0	10.0	0.8
	CT81-20KV-2B4-102K	20.0	12.0	10.0	0.8
	CT81-10KV-2E4-102M	12.0	10.0	10.0	0.8
	CT81-15KV-2E4-222M	17.0	10.0	10.0	0.8
	CT81-20KV-2E4-222M	20.0	11.0	10.0	0.8
	CT81-30KV-2E4-222M	25.0	16.0	19.0	1.0
	CT81-20KV-2E4-472M	25.0	11.0	10.0	0.8
	CC81-20KV-ZM-101K	9.0	9.0	10.0	0.8
	CC81-15KV-ZM-102K	20.0	8.0	12.5	0.8
	CC81-20KV-ZM-102K	25.0	11.0	13.0	0.8
	CC81-30KV-ZM-102K	29.0	13.0	20.0	1.0
	CC81-30KV-ZM-501K	20.0	12.0	17.5	0.8
	CC81-10KV-SL-10K	9.0	7.0	10.0	0.55
	CC81-20KV-SL-10K	10.0	9.0	10.0	0.8
	CC81-20KV-SL-20K	11.0	10.0	15.0	0.8

□引线形式 Lead Shape

散件 (bulk): (单位: mm)



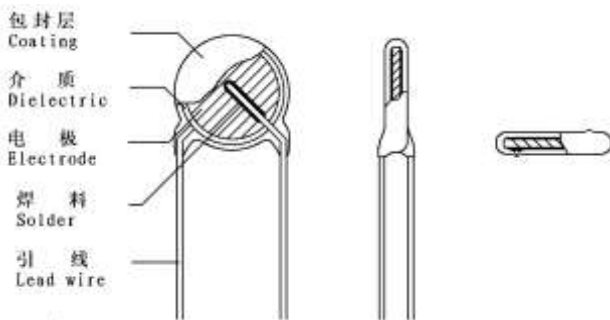
注: (F=19/20 ± 2.0; F=10/13 ± 1.5)

b 式 (Type b)

□标识方法 (Marking)

<p>The diagram shows a capacitor with two leads. The top lead has markings: 'LY' (1), 'D15KV' (2), and '102K' (4). The bottom lead has a marking (5). The capacitor body has a marking (3).</p>	① 公司代号 Manufacturer's Code
	② 温度特性 Temperature Characteristic
	③ 额定电压 Rated Voltage
	④ 标称容量 Rated Capacitance
	⑤ 容量偏差 Tolerance of Capacitance

□结构 (Structure)



包封层 (Coating) : 环氧树脂 (Epoxy Resin)

介质 (Dielectric) : 陶瓷 (Ceramic)

电极 (Electrode) : 银 (Silver)

焊料 (Solder) : 锡 (Alloy Tin)

引线 (Lead Wire) : 镀锡引出线 (Lead)

□主要材料 (Main Material)

SrCO<sub>3</sub> BaCO<sub>3</sub> TiO<sub>2</sub> Bi<sub>2</sub>O<sub>3</sub> CaCO<sub>3</sub> Nb<sub>2</sub>O<sub>5</sub> MgO

银膏 (Silver paste) 环氧树脂 (Epoxy Resin)

室内条件(Room Condition)

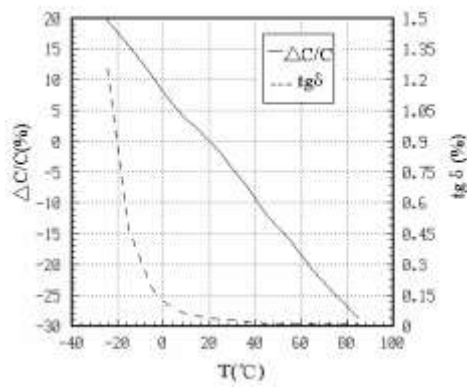
温度(Temp.): 15~35℃ 湿度(R. H.): 45~75%  
 气压(Atm pressure): 86~106kPa(860~1060mbar)

测试条件(Test Condition)

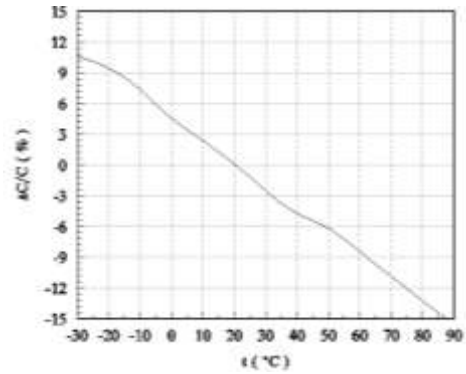
温度(Temp.): 20±2℃ 湿度(R. H.): 50~60%  
 电压(Vol.): 1.0±0.2Vrms 频率(Freq.): 1±0.2KHz (SL: 1±0.2MHz)

容量—温度变化曲线 Cap.—Temp. Curve

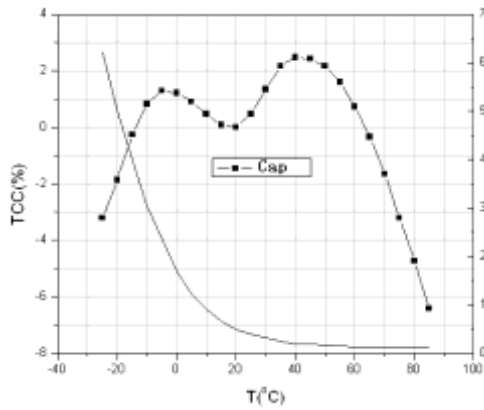
2D4 (ZM, Y5T)



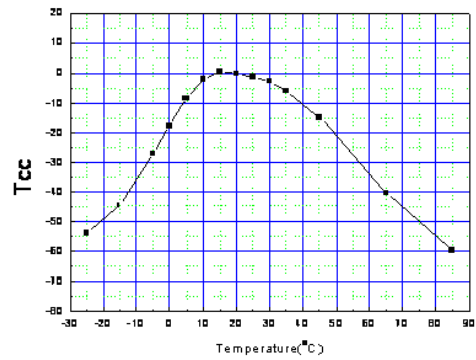
2R4



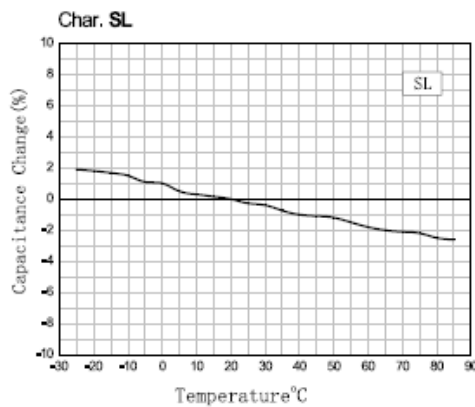
2B4



2E4



SL



□型号命名方法 Part Code Designation

CT81—15KV—2D4—102 K  
 ①            ②            ③            ④ ⑤

①种类 Class

代码 Code	种类 Class
CT81	II类高压 Class II High-Voltage
CC81	I类高压 Class I High-Voltage

④标称容量 Rated Capacitance

代码 Code	静电容量 Capacitance
102	1000pF
以此类推 And so on	

②额定电压 Rated Voltage

代码 Code	额定电压 Rated Vol.	代码 Code	额定电压 Rated Vol.
10KV	10000V. DC	25KV	25000V. DC
15KV	15000V. DC	30KV	30000V. DC
20KV	20000V. DC		

⑤容量允差 Tolerance

代码 Code	容量允差 Tolerance
K	± 10%
M	± 20%

③温度特性 Temperature Characteristic

代码 Code	容量变化 Cap. Change
2D4 (Y5T)	-30~+20%
2B4	-10~+10%
2R4	-15~+15%
2E4	-56~+22%
ZM	-4700±1000ppm/°C
SL	+350~-1000ppm/°C

□包装 (packing)

1、包装数量 (packing quantity):

成型方式 Molding mode	包装数量(只) Quantity per bag (pcs)
b	50 ~ 200

2、包装标识 (packing marking):

示例(Example)	项 目 (Item)	
		公司商标 (Manufacturer's Marking)
		环保标识 RoHS Designation
	物料编码 Code	客户要求时 When the customer require
	规格型号 Model	详见如上表格, (Please see the detail in the upper sheet)
	生产批号 Product lots	生产批号 Product lots
	成型代号 lead shape	客户要求时 When the customer require
	生产日期 Productive date	产品生产时间 the produce time of the product
	数 量 Quantity	每盒的包装数量 the packing quantity per plastic bag

3、外包装 (over-wrap packing):

内包装箱 (internal packing boxes) (A1:360×200×140mm、A2:198×177×138mm)

外包装箱 (over-wrap boxes) (B1:460×380×220mm、B2:425×380×170mm)

装箱数量应为最小包装的整数倍。(The packing quantity should be integral multiple of minimal packaging. )