

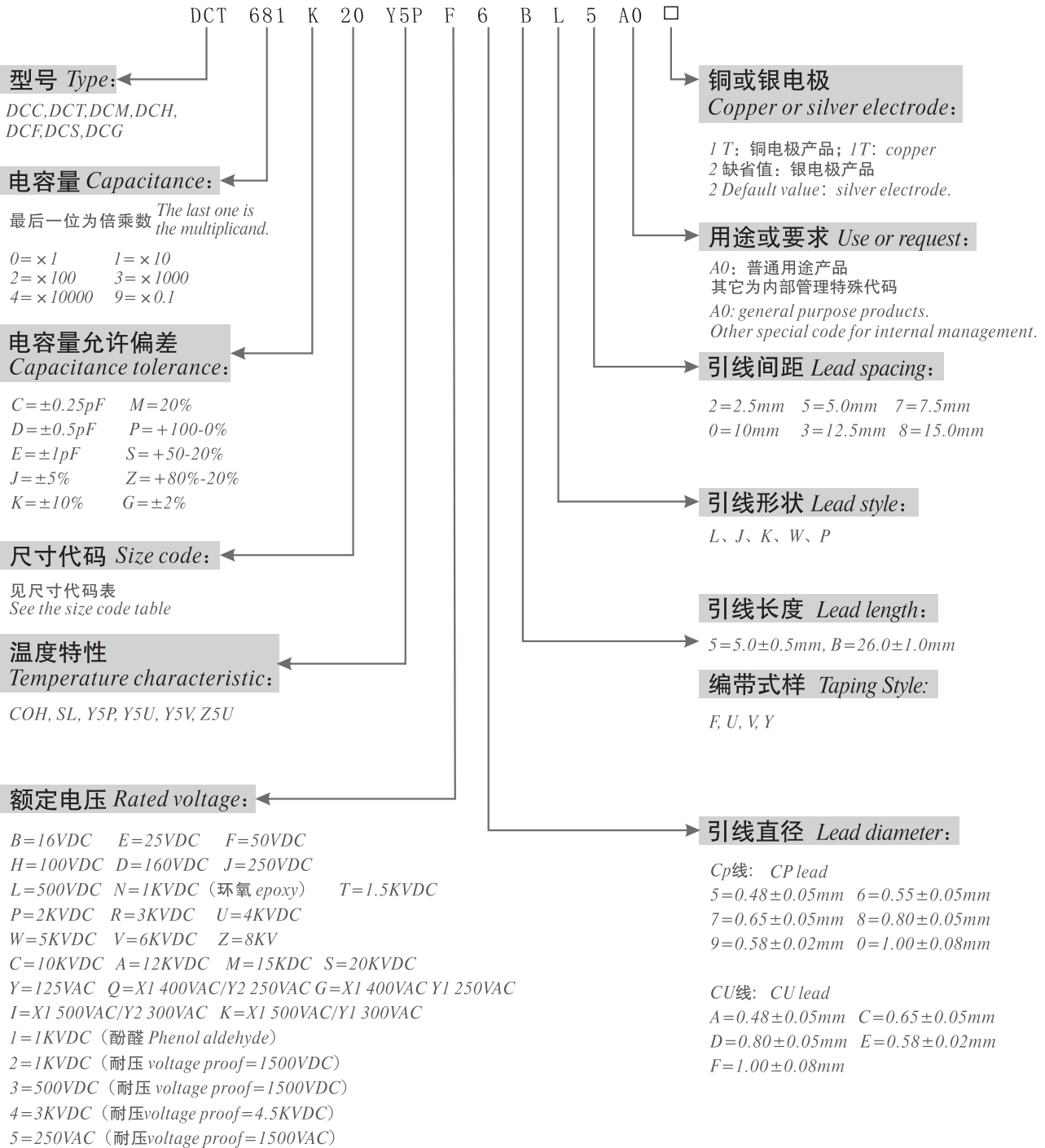


瓷介电容器

ISC CERAMIC CAPACITORS

瓷介电容器代码

CODES OF DISC CERAMIC CAPACITORS



D

瓷介电容器
ISC CERAMIC CAPACITORS

DCT 型高介电常数瓷介电容器 (II类)

TYPE DCT HIGH DIELECTRIC CONSTANT DISC CERAMIC CAPACITORS (Class II)

DCT 型瓷介电容器的特点: 介电常数高, 容量大, 体积小。适用于旁路、耦合、隔直流和滤波等电路中。
Type DCT disc capacitors have characteristics such as higher dielectric constant, higher capacitance, smaller size. They are suitably used in bypass circuit, coupling circuit, filter circuit, and isolating circuit.

适用的标准 *Standard of application*

GB5970 CT1 型固定瓷介电容器

GB5970 Detailed specification for electronic components fixed ceramic dielectric capacitors type CT1.

技术指标 *Specification*

No	名称 Item	技术要求 Specification
1	使用温度范围 Operating temperature	-25 ~ 85°C; (Z5U: 10 ~ 85°C)
2	电容量 (C_n) 和介质损耗测试条件 Capacitance (C_n) and dissipation factor testing condition	25°C, 1V _{rms} , 1KHZ ($\leq 100\text{pF}$; 1MHz)
3	介质损耗 Dissipation factor ($\text{tg } \delta$)	$\text{tg } \delta \leq 2.5\%$
4	额定电压 Rated voltage (U_n)	50、100VDC
5	耐电压 Voltage proof	$2.5U_n$
6	绝缘电阻 Insulation resistance (IR)	在额定电压下测试 At rated voltage, $IR \geq 10000M\Omega$
7	温度特性 Temperature characteristic	Y5P, Y5U, Z5U, Y5V

电容量与尺寸对照表 *Capacitance & dimension chart*

额定电压 Rated voltage (VDC)	尺寸代码 Size code	产品尺寸 Dimension (mm)		电容温度系数组别 Temperature coefficient group				引线尺寸 Lead size (mm)		编带式样 Taping style
		直径 Diameter D max	厚度 Thickness T max	Y5P (B)	Y5U (E)	Z5U (E)	Y5V (F)	间距 Space F	直径 Diameter d	
				标称电容量范围 Nominal capacitance (pF)						
50/100	16	4.0	3.0	100-1000				2.5 ± 0.5 5.0 ± 1.0	0.50 ± 0.05 0.60 ± 0.06	F
	20	5.0		100-1500	1000-4700	2200-4700	3300-6800			
	22	5.5		1800, 2200	5600, 6800	6800	8200, 10000			
	26	6.5		2700, 3900	8200, 10000	10000	15000	5.0 ± 1.0		
	30	7.5		4700		15000	22000			
	34	8.5		5600, 6800		22000				
	39	10.0		8200, 10000						
电容量允许偏差 Capacitance tolerance				±10	±20	±20	$\frac{+80/-20}{+100/0}$	见5 ~ 7页 Ref: P5 ~ 7		