

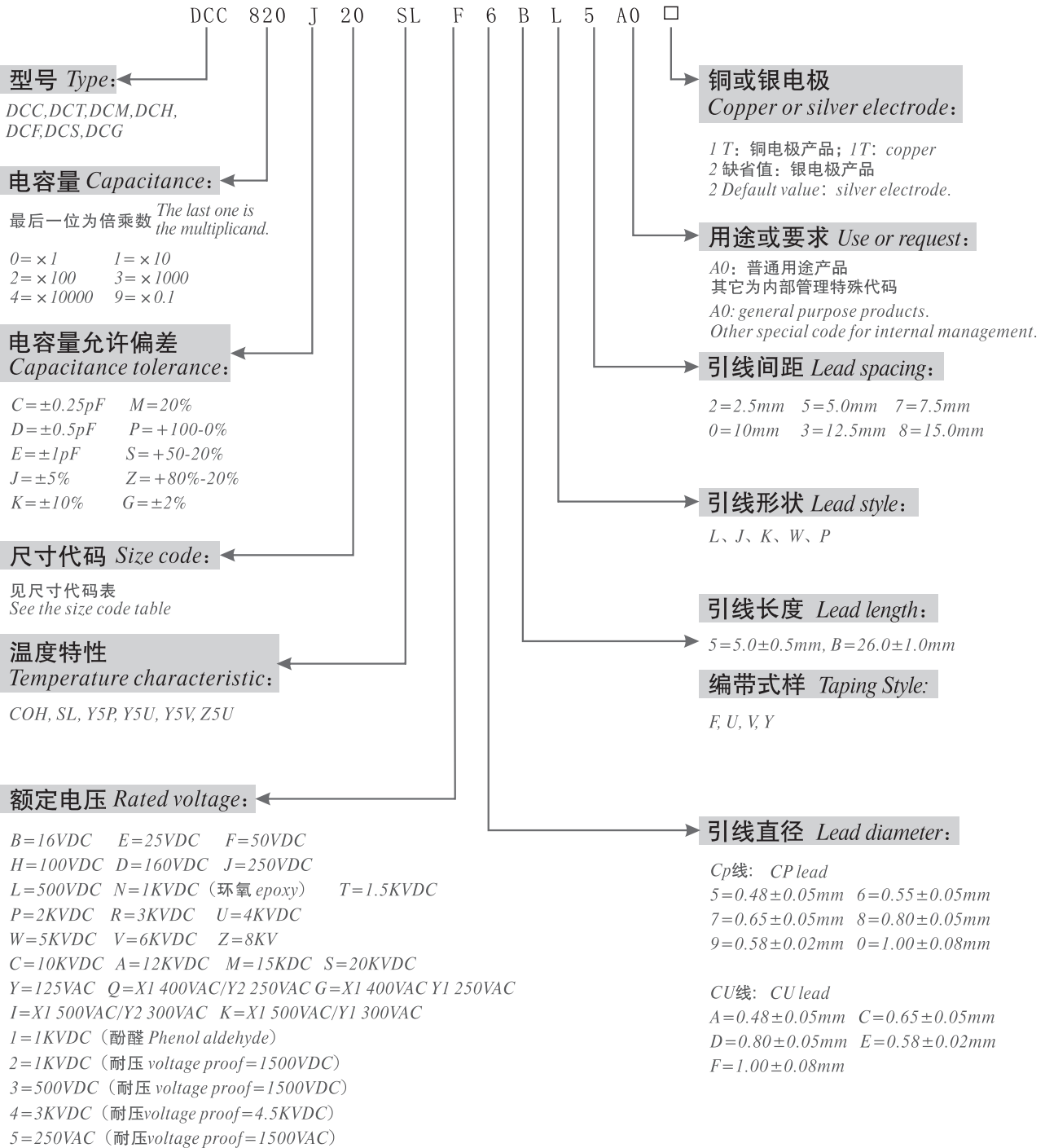


# 瓷介电容器

## ISC CERAMIC CAPACITORS

### 瓷介电容器代码

### CODES OF DISC CERAMIC CAPACITORS



# D

## 瓷介电容器 ISC CERAMIC CAPACITORS

### DCC 型温度补偿瓷介电容器 (I 类)

#### TPYE DCC TEMPERATURE COMPENSATING DISC CERAMIC CAPACITORS (CLASS I)

I 类温度补偿型瓷介电容器的电容量随温度改变呈线性变化, 适用于调谐回路和需要补偿温度效应的电路中。  
The capacitance of Class I temperature compensation ceramic capacitor varies linearly with temperature change, suitable for tuning circuit and circuit which need the effect of temperature compensation.

#### 适用的标准 Standard of application

GB5971 CCI 型瓷介固定电容器  
GB5971 Detailed specification for electronic components fixed ceramic dielectric capacitors type CCI.

#### 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; (-25 ~ 125°C)
2	电容量( $C_p$ )和品质因数测试条件 Capacitance( $C_p$ ) and quality factor testing condition.	25°C, 1Vrms, 1MHz( $\geq 1000$ pF: 1KHZ)
3	品质因数 Quality factor(Q)	$C_R < 30$ pF: $Q \geq 400 + 20C_R$ ; $C_R \geq 30$ pF: $Q \geq 1000$
4	额定电压 Rated voltage ( $U_R$ )	50、100VDC
5	耐电压 Voltage proof	$2.5U_R$
6	绝缘电阻 Insulation resistance(IR)	在额定电压下测试 At rated voltage, $IR \geq 10000M\Omega$
7	温度系数 Temperature coefficient	CO、SL

#### 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	CO (NPO)	SL (P100-N1000)	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	0.5 ~ 33	0.5 ~ 100	2.5 ± 0.5 5.0 ± 1.0	0.50 ± 0.05 0.60 ± 0.06	F
	20	5.0		0.5 ~ 56	0.5 ~ 160			
	22	5.5		62 ~ 75	180 ~ 220			
	26	6.5		82 ~ 110	240 ~ 330	5.0 ± 1.0		
	30	7.5		120 ~ 160	360 ~ 470			
	34	8.5		180, 200	510 ~ 620			
	39	10.0		200 ~ 300	750 ~ 910			
	43	11.0		330, 360	1000, 1100			
电容量允许偏差 Capacitance tolerance				± 0.25pF, ± 0.5pF, ± 5%, ± 10%		见5 ~ 7页 Ref: P5 ~ 7		

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