

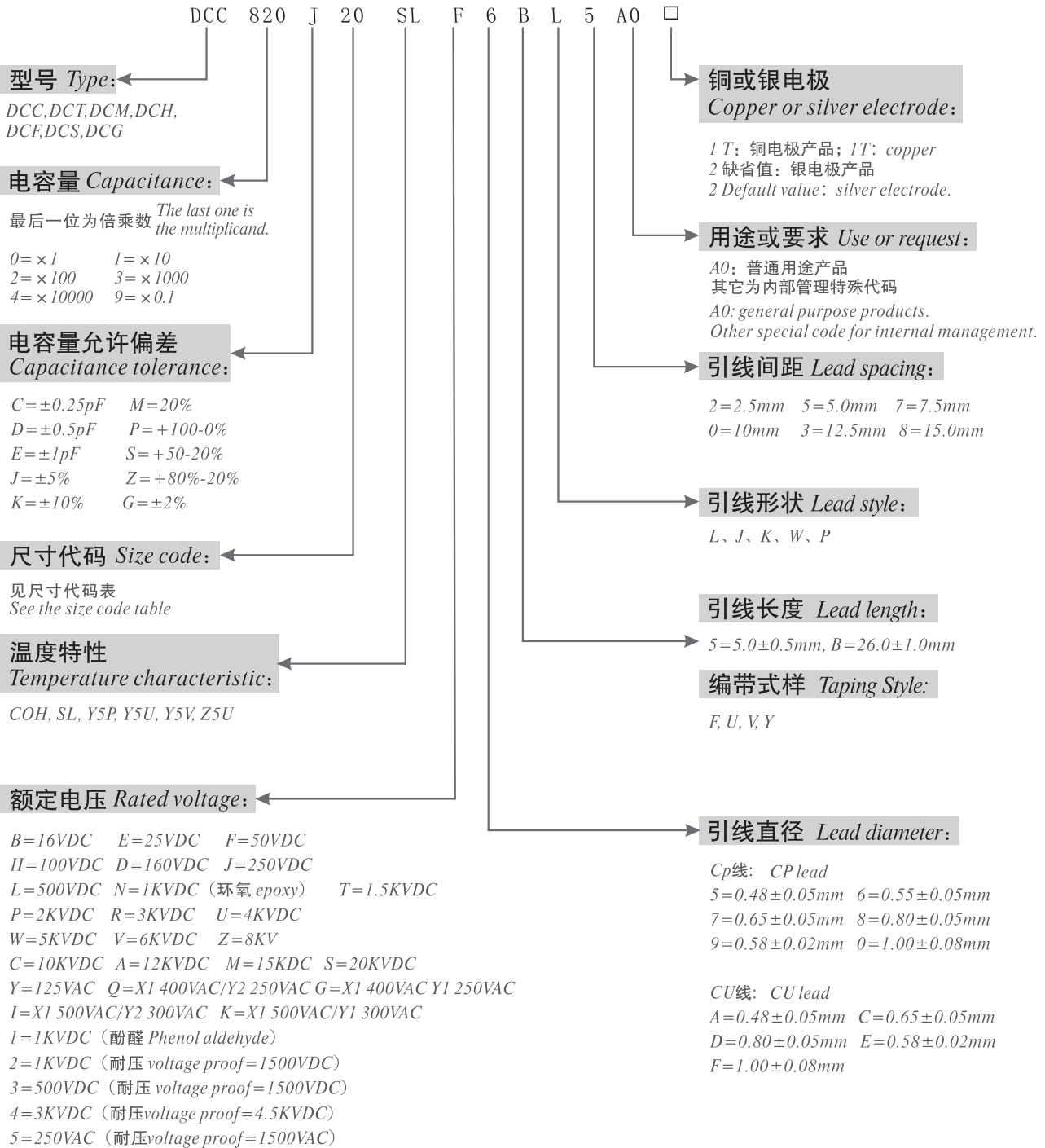


# 瓷介电容器

## 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( $C_R$ )和品质因数测试条件<br>Capacitance( $C_R$ ) 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<br>Rated voltage<br>(VDC) | 尺寸代码<br>Size code | 产品尺寸<br>Dimension(mm)   |                          | 电容温度系数组别<br>Temperature coefficient group |                    | 引线尺寸<br>Lead size(mm)  |                            | 编带式样<br>Taping style |
|--------------------------------|-------------------|-------------------------|--------------------------|---|--------------------|------------------------|----------------------------|----------------------|
|                                |                   | 直径<br>Diameter<br>D max | 厚度<br>Thickness<br>T max | CO<br>(NPO)                               | SL<br>(P100-N1000) | 间距<br>Space<br>F       | 直径<br>Diameter<br>d        |                      |
|                                |                   |                         |                          | 标称电容量范围<br>Nominal capacitance(pF)        |                    |                        |                            |                      |
| 50/100                         | 16                | 4.0                     | 3.0                      | 0.5 ~ 33                                  | 0.5 ~ 100          | 2.5 ± 0.5<br>5.0 ± 1.0 | 0.50 ± 0.05<br>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,<br>± 5%, ± 10%         |                    | 见5 ~ 7页 Ref: P5 ~ 7    |                            |                      |

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