

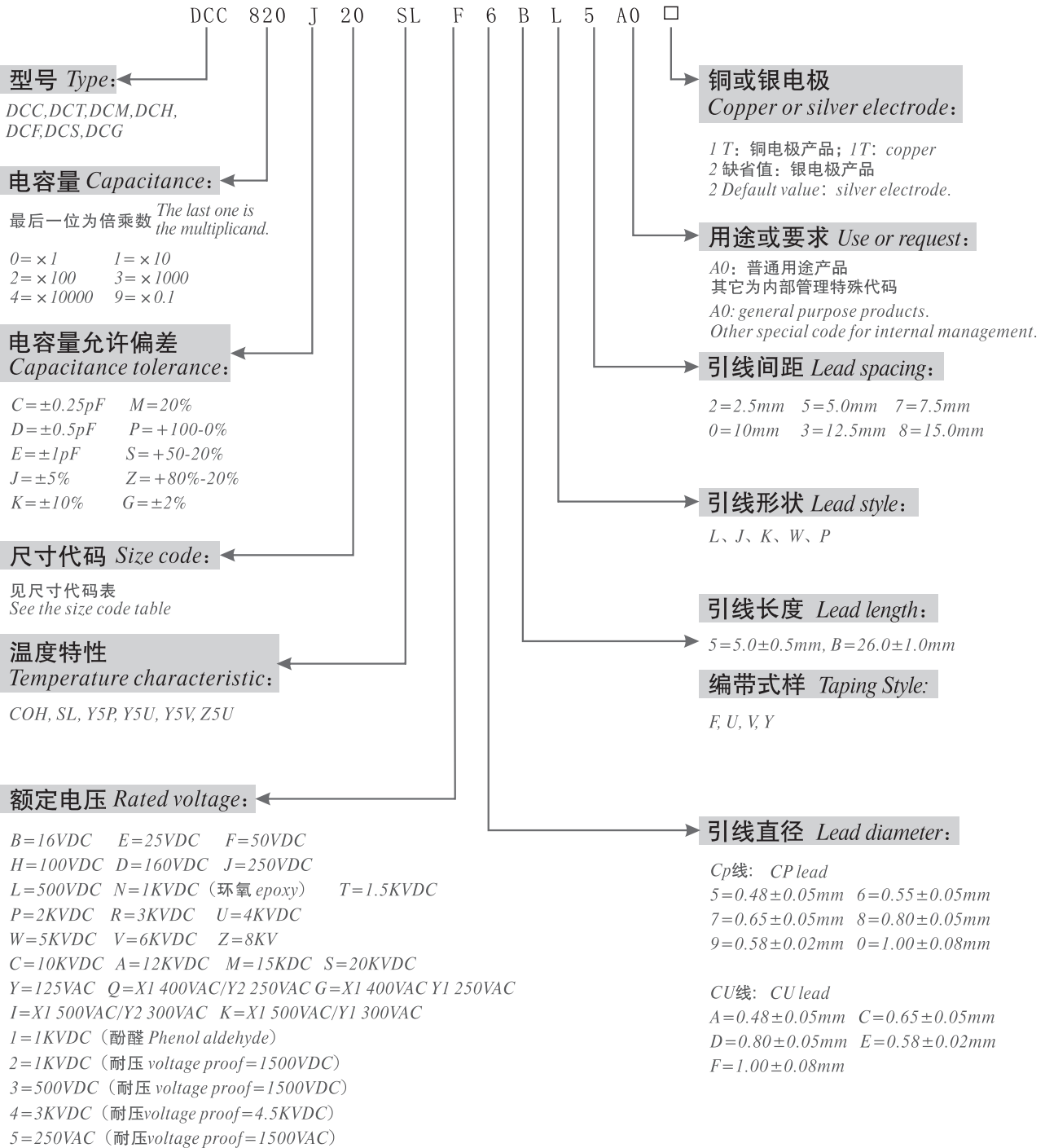


瓷介电容器

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, 1V _{rms} , 1MHz(≥1000pF: 1KHZ)
3	品质因数 Quality factor(Q)	$C_R < 30pF$: $Q \geq 400 + 20C_R$; $C_R \geq 30pF$: $Q \geq 1000$
4	额定电压 Rated voltage (U_R)	50、100VDC
5	耐电压 Voltage proof	2.5 U_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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