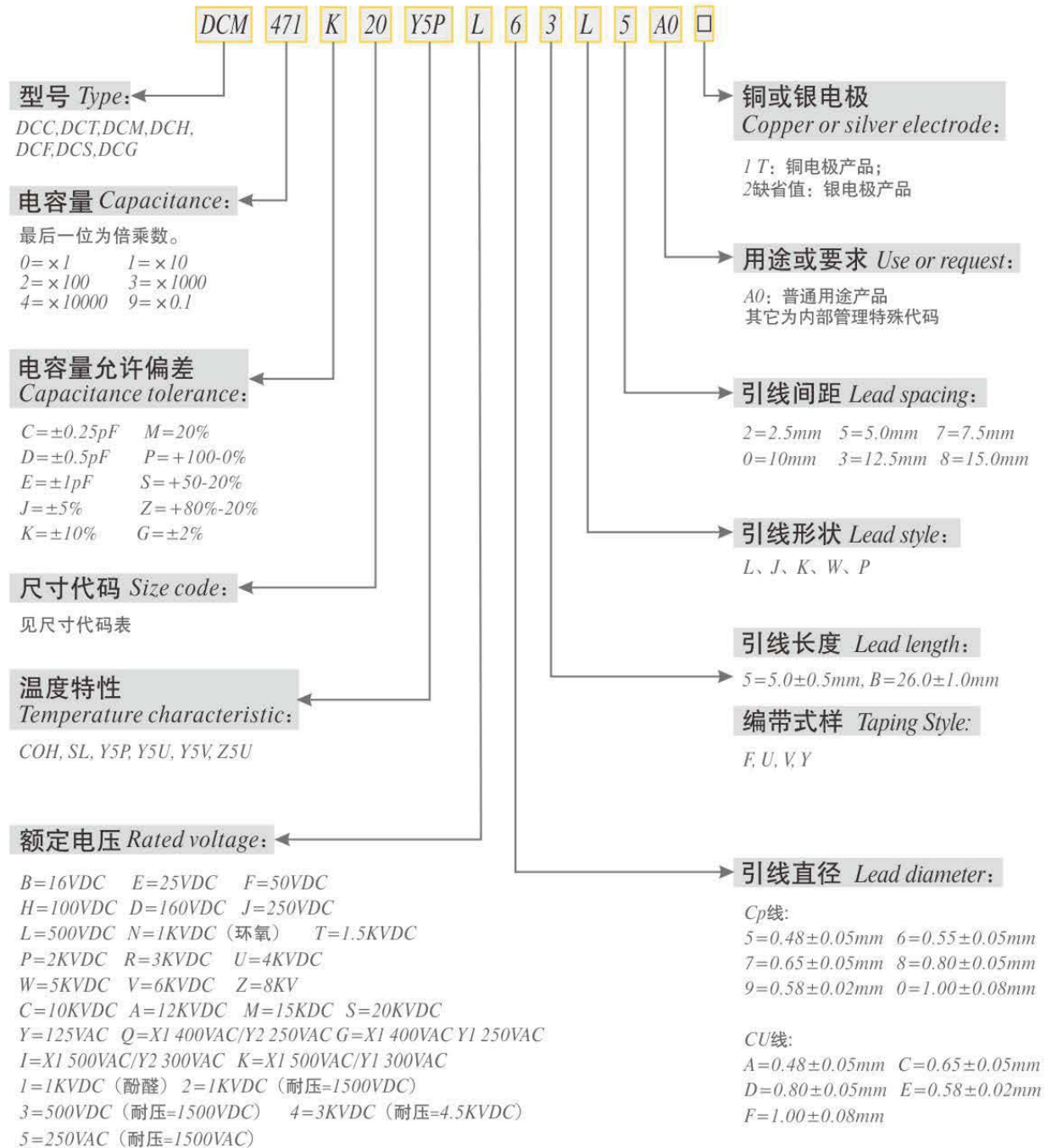


D

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

DCM 型中压瓷介电容器 TYPE DCM MIDDLE VOLTAGE DISC CERAMIC CAPACITORS

DCM型中压瓷介电容器的 I 类 (温度特性CO和SL) 适用于调谐回路和需要补偿温度效应的电路中, II 类 (温度特性Y5P、Y5U、Z5U、Y5V) 适用于旁路、滤波、耦合、隔直流等电路中。

In the class I (CO and SL temperature characteristic), DCM capacitors allow the temperature compensating disc capacitors to be used in critical circuit application such as tuned circuits, CLASS II (Y5P;Y5U,Z5U,Y5V temperature characteristic) capacitors are fit for the circuit such as bypass, filter, coupling etc, where a large amount of Capacitance is required and the circuit is less sensitive to Capacitance change with temperature variations.

适用的标准 *Standard of application*

GB5971 CCI型固定瓷介电容器
GB5970 CTI型固定瓷介电容器
GB5971 Detailed specification for electronic components fixed ceramic dielectric capacitors, type CCI
GB5970 Detailed specification for electronic components fixed ceramic dielectric capacitors type CTI

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_R) 和介质损耗/品质因数测试条件 Capacitance (C_R) and dissipation factor /quality factor testing condition	25°C, 0.1Vrms, I 类 Class I: 1MHz; ($C_R \geq 1000\text{pF}$, 1KHz) II 类 Class II: 1KHz; ($C_R \leq 100\text{pF}$, 1MHz)
3	介质损耗(tg δ)/品质因数 (Q) Dissipation factor(tg δ)/quality factor (Q)	I 类 Class I: $C_R < 30\text{pF}$, $Q \geq 400 + 20C_R$; $C_R \geq 30\text{pF}$, $Q \geq 1000$ II 类 Class II: $\text{tg } \delta \leq 2.5\%$
4	额定电压 Rated voltage (U_R)	250、500VDC
5	耐电压 Voltage roof	$2.5U_R$
6	绝缘电阻 Insulation resistance (IR)	在额定电压下测试 At rated voltage, $IR \geq 10000M\Omega$
7	温度特性 Temperature characteristic	CO、SL、Y5P, Y5U, Z5U、Y5V

