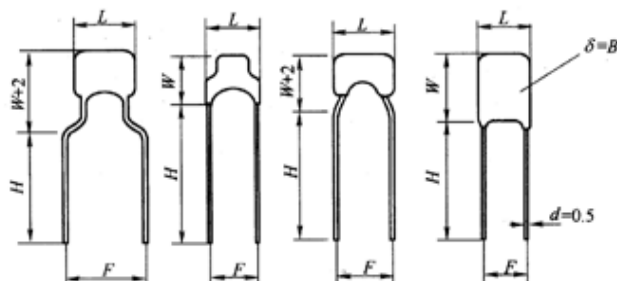
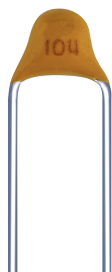




Multi-layer chip ceramic capacitor 独石电容器

径向激光电容器 Radial laser MLCC



Multi-layer chip ceramic capacitor is a multi-layer structure, which is made by ceramic dielectric and metal layer as the electrode with copper-clad steel leads and epoxy resin.

MLCC是一个多层叠合的结构，由陶瓷介质和金属层电极制作而成，导线采用镀锡铜包钢线，使用环氧树脂封装。

※SPECIFICATIONS 技术要求

| 介质种类 Dielectric Type | I类介质 Class I | | II类介质 Class II | | |
|-------------------------------------|---|--|--|---|---|
| 介质材料 Dielectric Material | 温度补偿型 Temperature Compensating | | X7R (B) | Z5U(E) | Y5V(Y/F) |
| 电气性能 Electrical Properties | 电气性能最稳定，几乎不随温度、电压和时间的变化而变化。 The electrical properties is the most stable one and has little change with temperature, voltage and time. | | 具有较高的介电常数，容量可做到比I类电容器高，具有稳定的温度特性。 X7R material has high dielectric constant, and its capacitance is higher than class I. These capacitors are classified as having a semi-stable T.C. | 温度特性介于X7R和Y5V之间，容量稳定性相对较差，对温度、电压等条件较敏感。 Temperature characteristic is between that of X7R and Y5V. The capacitance is unstable and sensible to temperature and voltage. | 介电常数最大，但温度特性较差，对温度、电压等条件较敏感。 Y5V material has highest dielectric constant. Its capacitance and dissipation is sensible to temperature and voltage. |
| 应用 Application | 适用于低损耗，稳定性要求高的高频电路，如滤波器、振荡器和计时电路等。 Used in applications where low-losses and high-stability are required, such as filters, oscillators, and timing circuits so on. | | 适用于容量范围广，稳定性要求不高的电路中，如隔直、耦合、旁路及鉴频等电路中。 Used over a wide temperature range, such in these kinds of circuits, DC-blocking, coupling, bypassing, frequency discriminating etc. | 适用于要求大容量，使用温度范围接近于室温的旁路、耦合等，及低直流偏压电路中。 Ideally suited for bypassing and coupling application circuits operating with low DC bias in the environment approaching to room temperature. | 适用于要求大容量，温度变化不大的电路中 Used over a moderate temperature range in application where high capacitance is required. |
| 容量范围 Available capacitance range | 0.5pF~4.7nF | | 100pF~0.22uF | 2.2nF~1.2uF | |



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※FEATURES 特点

1. Miniature size, large capacitance, tape and reel packaging available for auto-placement.

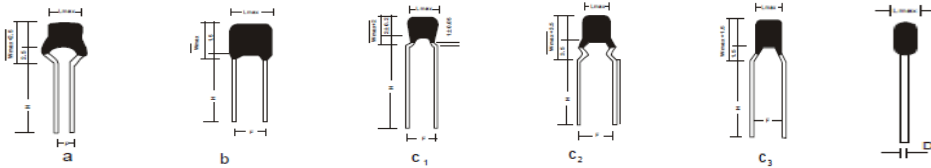
体积小, 容量大, 适合自动安装的卷(编)带包装。

2. Epoxy resin coating creates excellent performance in humidity resistance, mechanical strength and heat resistance.

环氧树脂封装, 从而具有优良的防潮性能、机械强度及耐热性。

3. Standard size, various lead configuration.

工业生产标准尺寸及多种脚型产品。



径向激光电容器 Radial laser MLCC

| 尺寸规格 Size code | 外形 Shape | 尺寸 Dimensions (mm) | | | | | 工作电压 Voltage | 容量范围 Capacitance (PF) | | |
|-------------------|-------------|--------------------|----------------|------|------|------|-----------------|-----------------------|---------|--------------------|
| | | F (±0.5) | Hmin (±0.5) | Lmax | Wmax | Tmax | | COG(NPO) | X7R | Y5V(Z5U) |
| 0805 | a | 2.54 | 5.0 | | | | | | | |
| | b | 2.54 | 10.0 | | | | 25V | 0R5~332 | 331~225 | 103~106 103~475 |
| | c1 | 5.08 | 5.0 10.0 | 4.2 | 3.8 | 3.8 | 50V | 0R5~222 | 331~105 | |
| | c2 | 5.08 | 5.0 | | | | 100V | 05R~102 | 331~104 | |
| | c3 | 5.08 | 5.0 10.0 | | | | | | | |
| 1206 | a | 2.54 | | | | | 25V | 0R5~682 | 102~226 | |
| b | 3.05 | 10.00 | 5.0 | 4.5 | 3.8 | 50V | 0R5~472 | 102~106 | | |
| c1 | 5.08 | | | | | 100V | 0R5~392 | 102~105 | | |
| 1210 | b | | | | | | 25V | 561~103 | 102~336 | 104~226 |
| | c1 | 3.05 | 10.00 | 7.6 | 5.5 | 3.8 | 50V | 561~682 | 102~226 | |
| | | 5.08 | | | | | 100V | 561~472 | 102~105 | |
| 1812 | b | | | | | | 25V | 102~153 | 103~476 | 154~107 |
| | | 4.57 | 10.00 | 6.5 | 6.5 | 3.8 | 50V | 102~103 | 103~336 | |
| | | | | | | | 100V | 102~682 | 103~105 | |
| 2225 | b | | | | | | 25V | 102~223 | 103~107 | 684~107 |
| | | 5.50 | 10.00 | 10.5 | 9.5 | 4.2 | 50V | 102~223 | 103~476 | |
| | | | | | | | 100V | 102~103 | 103~475 | |
| 3035 | b | | | | | | 25V | 102~104 | 103~107 | 105~107 105~107 |
| | | 7.50 | 10.00 | 12.5 | 10.5 | 4.2 | 50V | 102~473 | 103~686 | |
| | | | | | | | 100V | 102~333 | 103~106 | |











100









