B-30KV-511K

30 kV 蓝色圆片高压电容 · 铜线引脚

30 kV blue ceramic disc capacitor · copper leads

额定电压 / Rated voltage
30 kV

容量代码 / Code
511

引脚材料 / Leads
铜线

外形尺寸 / Dimensions（mm）
Φ23.5 / H11 / F12.5

510 pF；K = ±10%，范围 459–561 pF。图片为示意。
510 pF; K = ±10%, range 459–561 pF. Image for illustration.

01 型号与主要参数 / Key specifications

型号 Part number	B-30KV-511K B-30KV-511K
外形尺寸（mm） Dimensions (mm)	Φ23.5 / H11 / F12.5 Body diameter / H dimension / lead pitch
容量与范围 Capacitance & range	510 pF；K = ±10%，范围 459–561 pF 510 pF; K = ±10%, range 459–561 pF
容量公差代码 Tolerance codes	K = ±10% / R = ±15% / M = ±20% K = ±10% / R = ±15% / M = ±20%

02 结构材料 / Construction materials

包封 / 介质 Coating / dielectric	环氧树脂 / 电子陶瓷 Epoxy resin / electronic ceramic
电极 / 焊料 Electrode / solder	银（银面覆盖率 99.99%）/ 环保锡 Silver (silver surface coverage 99.99%) / compliant tin solder
引线 Leads	铜线；线径 0.6 / 0.8 mm，具体取值以订货规格为准 Copper wire; diameter 0.6 / 0.8 mm. Specify the option when ordering.

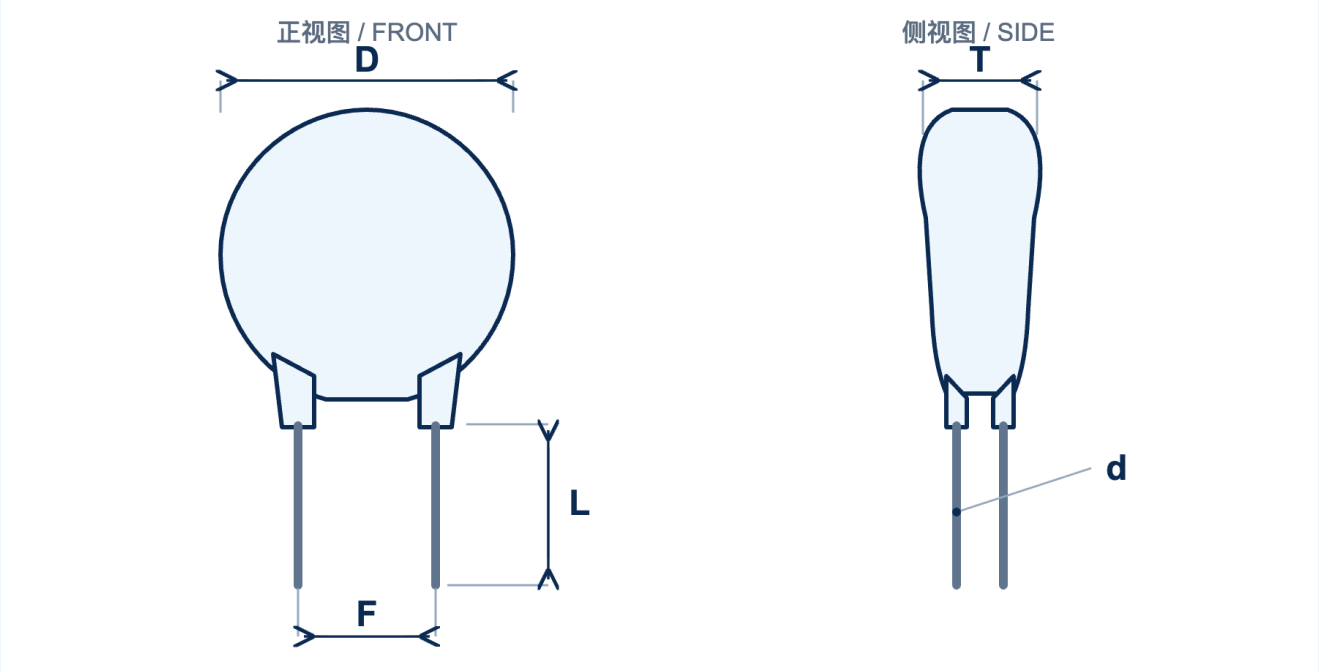
03 环境与试验 / Environment & testing

温度范围 Temperature range	使用 −25 ~ +125 °C；储存 −40 ~ +85 °C Operating −25 to +125 °C; storage −40 to +85 °C
损耗 / 绝缘 Loss / insulation	损耗角正切 ≤ 1.0%；绝缘电阻 ≥ 10,000 MΩ Dissipation factor ≤ 1.0%; insulation resistance ≥ 10,000 MΩ
耐电压 Withstand voltage	端子间施加 1.5–2.0 × 额定电压，保持 5 s 1.5–2.0 × rated voltage applied between leads for 5 s
容量测试条件 Capacitance test	22 ± 2 °C，1.0 ± 0.2 V，1 ± 0.1 kHz 22 ± 2 °C, 1.0 ± 0.2 V, 1 ± 0.1 kHz

外形示意与尺寸符号

正视图与侧视图 · 示意图不按比例绘制

Front and side views · Diagram not to scale



尺寸符号说明 / Dimension symbols

D / Φ Body diameter	本体正视直径；本型号 Φ23.5 mm Front-view diameter: Φ23.5 mm for this model
T Body thickness	本体侧视厚度 Body thickness in side view
F Lead pitch	引脚间距；本型号 F12.5 mm Lead pitch: F12.5 mm for this model
L Lead length	引线长度；按订货要求，单位为 mm Lead length: to order requirement, in mm
d Lead diameter	引线直径；0.6 / 0.8 mm，具体取值以订货规格为准 Lead diameter: 0.6 / 0.8 mm; specify the option when ordering

制图说明 / Drawing notes

图形仅说明尺寸符号位置；产品图片和图形均不代表精确比例或制造公差。

Drawing and product image are illustrative; neither defines scale or manufacturing tolerances.

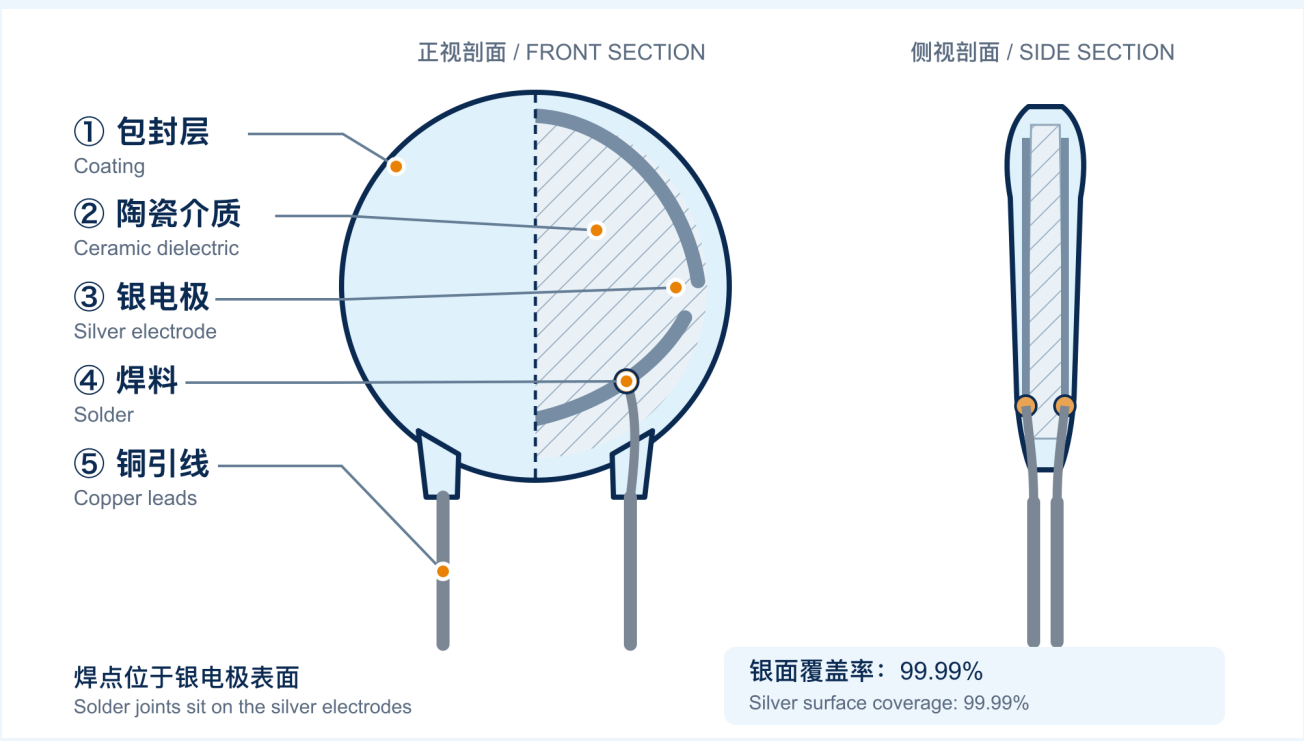
外形尺寸和引线线径单位均为 mm。引线长度和线径可按订货要求选择。

Dimensions and lead diameters are in mm. Lead length and diameter are selected when ordering.

结构剖面与材料

正视与侧视剖面 · 结构示意，不按比例

Front and side sections · Diagram not to scale



结构组成 / Construction

① 包封层 Coating	环氧树脂 Epoxy resin
② 陶瓷介质 Ceramic dielectric	电子陶瓷 Electronic ceramic
③ 电极 Electrode	银；银面覆盖率 99.99% Silver; silver surface coverage 99.99%
④ 焊料 Solder	环保锡 Environmentally compliant tin solder
⑤ 引线 Leads	铜线；线径 0.6 / 0.8 mm，具体取值以订货规格为准 Copper wire; diameter 0.6 / 0.8 mm. Specify the option when ordering.

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