# B-20KV-471

20 kV 蓝色圆片高压电容 · 铜线引脚

20 kV blue ceramic disc capacitor · copper leads

额定电压 / Rated voltage
**20 kV**

容量代码 / Code
**471**

引脚材料 / Leads
**铜线**

外形尺寸 / Dimensions（mm）
**Φ12 / H8.5 / F10**

470 pF；公差订货时指定（K ±10% / R ±15% / M ±20%）。图片为示意。
470 pF; tolerance specified at order (K ±10% / R ±15% / M ±20%). Image for illustration.

## 01 型号与主要参数 / Key specifications

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|---|---|
| 型号<br>Part number | B-20KV-471 · 尺寸规格 1<br>B-20KV-471 · dimension variant 1 |
| 外形尺寸（mm）<br>Dimensions (mm) | Φ12 / H8.5 / F10<br>Body diameter / H dimension / lead pitch |
| 容量与范围<br>Capacitance & range | 470 pF；公差订货时指定（K ±10% / R ±15% / M ±20%）<br>470 pF; tolerance specified at order (K ±10% / R ±15% / M ±20%) |
| 容量公差代码<br>Tolerance codes | K = ±10% / R = ±15% / M = ±20%<br>K = ±10% / R = ±15% / M = ±20% |

## 02 结构材料 / Construction materials

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

## 03 环境与试验 / Environment & testing

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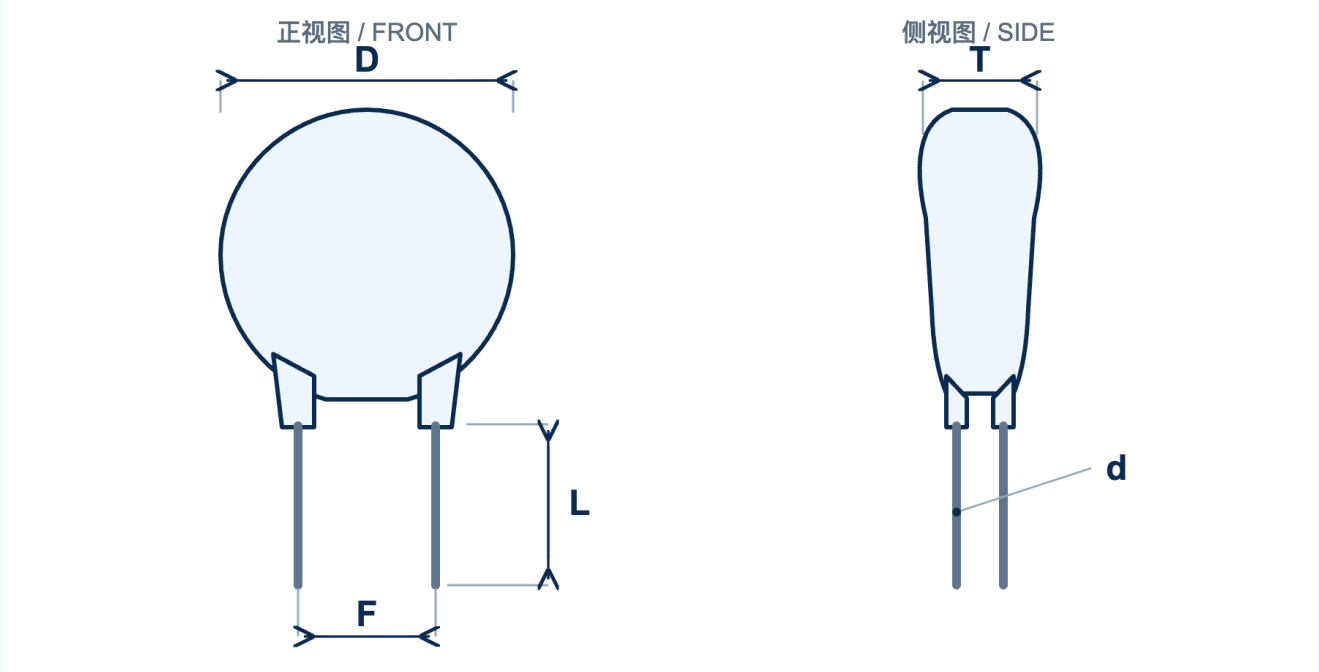
|---|---|
| 温度范围<br>Temperature range | 使用 −25 ~ +125 °C；储存 −40 ~ +85 °C<br>Operating −25 to +125 °C; storage −40 to +85 °C |
| 损耗 / 绝缘<br>Loss / insulation | 损耗角正切 ≤ 1.0%；绝缘电阻 ≥ 10,000 MΩ<br>Dissipation factor ≤ 1.0%; insulation resistance ≥ 10,000 MΩ |
| 耐电压<br>Withstand voltage | 端子间施加 1.5–2.0 × 额定电压，保持 5 s<br>1.5–2.0 × rated voltage applied between leads for 5 s |
| 容量测试条件<br>Capacitance test | 22 ± 2 °C，1.0 ± 0.2 V，1 ± 0.1 kHz<br>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<br>Body diameter | 本体正视直径；本型号 Φ12 mm<br>Front-view diameter: Φ12 mm for this model |
| T<br>Body thickness | 本体侧视厚度<br>Body thickness in side view |
| F<br>Lead pitch | 引脚间距；本型号 F10 mm<br>Lead pitch: F10 mm for this model |
| L<br>Lead length | 引线长度；按订货要求，单位为 mm<br>Lead length: to order requirement, in mm |
| d<br>Lead diameter | 引线直径；0.6 / 0.8 mm，具体取值以订货规格为准<br>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.

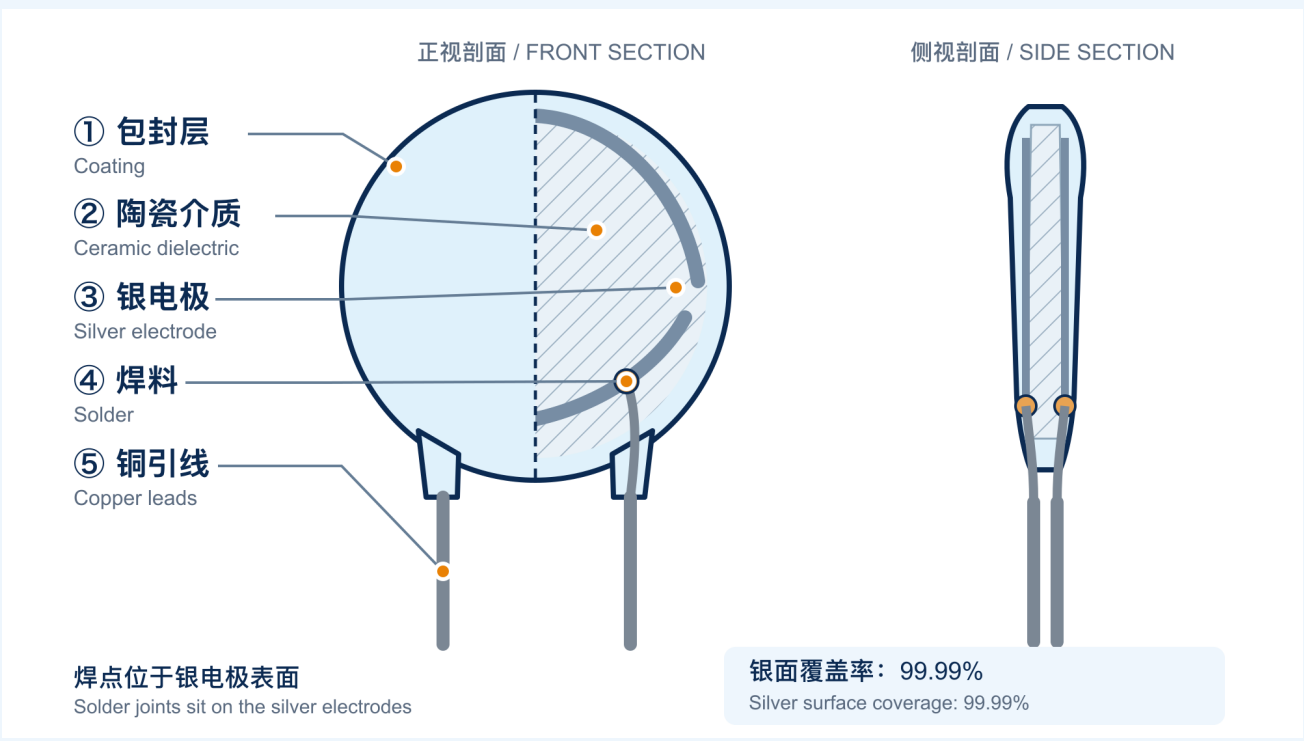
外形尺寸和引线线径单位均为 mm。引线长度和线径可按订货要求选择。

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

## 联系方式 / Contact information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|---|---|
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