

Specification for approval

客户名称:

(Customer Name)

产品名称:

DC-LINK直流薄膜电容器

(Product Name)

DC-LINK DC Thin Film Capacitor

客户料号:

(Customer part number)

科尼盛料号:

228CB0060

(KNSCHA number)

型号规格:

DC-LINK 8 $\mu$ F/600V P=27.5mm 32\*28\*14mm  
L=5.5mm $\pm$ 0.5mm/0.8CU铜线\*2PIN

(Specifications)

日期:

2025.10.1

DATE

|                    |                 |
|--------------------|-----------------|
| 制 造<br>Manufacture |                 |
| 核 准<br>APPROVAL    | 制 作<br>PREPARED |
| 王师                 | 张优美             |

|                            |                |                 |
|----------------------------|----------------|-----------------|
| 客户承认栏<br>CUSTOMER APPROVED |                |                 |
| 核 准<br>APPROVED            | 确 认<br>CHECKED | 经 办<br>DESIGNED |
|                            |                |                 |

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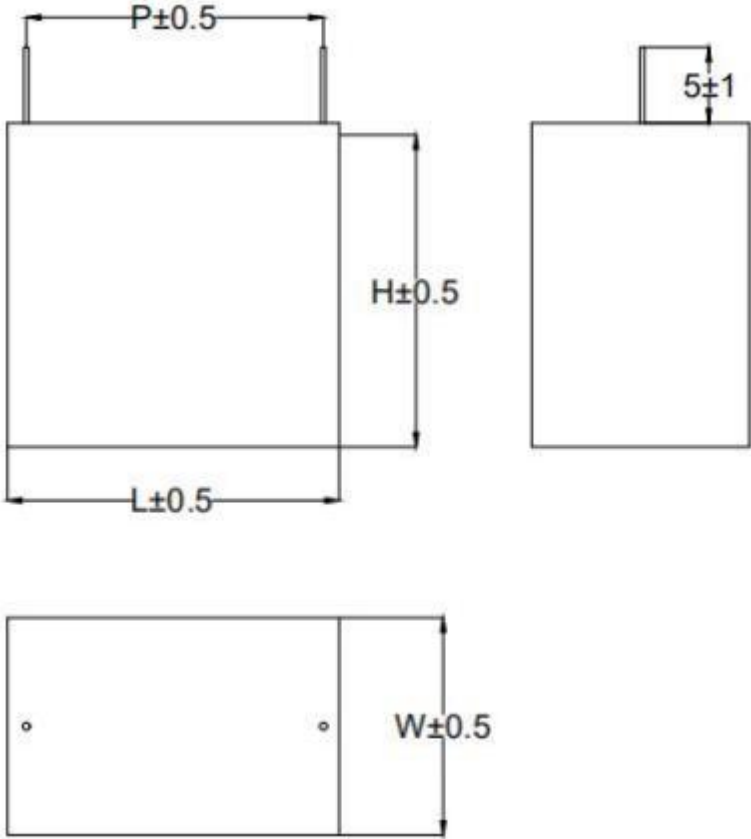
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|                                                            |       |                                                 |
|------------------------------------------------------------|-------|-------------------------------------------------|
| capacitor                                                  | 物料编码  | 228CB0060                                       |
| <u>main data</u>                                           |       |                                                 |
| 额定容量 C <sub>n</sub><br>Rated Capacitance                   | [ μF] | 8                                               |
| 容量偏差<br>Capacitance tolerance                              | [%]   | ±10                                             |
| 额定电压 U <sub>n</sub><br>Rated Voltage                       | [Vdc] | 600                                             |
| 损耗 tg δ<br>Tangent of loss angle                           |       | ≤15x10 <sup>-4</sup> (1kHz, 20℃)                |
| 最大电流 I <sub>max</sub><br>Maximum current                   | [A]   | 12.73                                           |
| 等效串联电阻 ESR                                                 | mΩ    | ≤6.3 (1kHz)                                     |
| 最大峰值电流 Î<br>Maximum peak current Î                         | [A]   | 520                                             |
| 电压变化率 dv/dt                                                | v/ μs | 65                                              |
| 预期寿命                                                       |       | 100000h @U <sub>n</sub> , θ <sub>amb</sub> ≤70℃ |
| 极间测试 U <sub>1-1</sub><br>Test voltage terminal to terminal | [Vdc] | 900 - 10s                                       |
| 绝缘电阻 IR×CN<br>Insulation Resistance                        |       | ≥100000s (20℃ , 100VDC, 60s)                    |
| 运行温度 θ <sub>amb</sub><br>Operating Temperature             | [℃]   | -40 / +85                                       |
| 线径 D                                                       | [mm]  | 2-0.8                                           |
| 长度 L                                                       | [mm]  | 32                                              |
| 宽度 W                                                       | [mm]  | 14                                              |
| 高度 H                                                       | [mm]  | 28                                              |
| 中心距 P                                                      | [mm]  | 27.5                                            |
| 绝缘介质<br>insulation medium                                  |       | 聚丙烯薄膜Polypropylene film                         |
| 填充介质<br>Filling medium                                     |       | 环氧树脂 epoxy                                      |



|                                |            |                      |                 |                                                           |      |            |             |
|--------------------------------|------------|----------------------|-----------------|-----------------------------------------------------------|------|------------|-------------|
|                                |            |                      |                 |                                                           |      |            |             |
| remark                         | designer   | Revision Description |                 |                                                           |      | Changed by | change date |
| Design                         | xia. zhang | 2025. 10. 01         | Outline drawing | proportion                                                | 1: 1 | edition    | A           |
| auditing standard              |            |                      |                 | <div>KNSCHA</div> <div>8μF±10%600VDC</div> <div>MPD</div> |      |            |             |
| approved                       |            |                      |                 |                                                           |      |            |             |
| KNSCHA ELECTRONICSCO., LIMITED |            |                      |                 |                                                           |      |            |             |