

## 规格承认书

Specification for approval

客户名称:

(Customer Name)

产品名称:

(Product Name)

客户料号:

(Customer part number)

科尼盛料号:

(KNSCHA number)

型号规格:

(Specifications)

日期:

DATE

螺栓型铝电解电容

Screw Terminal Type Aluminum Electrolytic Capacitors

227EC0030

E/C 450V/3300 $\mu$ F D64XL130mm KNSCHA KSD

2025.9.9

|                    |                 |
|--------------------|-----------------|
| 制 造<br>Manufacture |                 |
| 核 准<br>APPROVAL    | 制 作<br>PREPARED |
| 王帅                 | 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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Screw Terminal Type Aluminum Electrolytic Capacitors

KSD series

- Long Life, High Reliability , Warranty of 5,000 hours at 85°C
- RoHS Compliant.
- 长寿命、耐高纹波，85℃条件下， 保证使用5000小时
- 环保产品.

●Specifications 规范

| Items    项目                             | Characteristics    特性                                                                                                             |                                         |           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------|
| Capacitance Tolerance<br>静电容量误差         | ±20%(120Hz, 20℃ )                                                                                                                 |                                         |           |
| Operating Temperature Range<br>适用温度范围   | -25 ~ +85℃                                                                                                                        |                                         |           |
| Rated Voltage Range<br>工作电压范围           | 350~500V.DC                                                                                                                       |                                         |           |
| Leakage Current<br>泄漏电流                 | 0.01CV (μA) or 5 mA, whichever is smaller or less(20℃, after 5 minutes)<br>(C = nominal capacitance (μF), V = rated )             |                                         |           |
| Dissipation Factor(tanδ)<br>散逸因素(损失正切角) | Measurement Frequency: 120Hz. Temperature: 20℃                                                                                    |                                         |           |
|                                         | Rated Voltage(V)                                                                                                                  | 350~400WV                               | 450~500WV |
|                                         | tan δ (MAX)                                                                                                                       | 0.15                                    | 0.20      |
| Load Life    负荷寿命                       | 5000 hours, with application of working voltage at 85℃                                                                            |                                         |           |
|                                         | Capacitance Change                                                                                                                | Within ±20% of Initial Value            |           |
|                                         | tan δ                                                                                                                             | 200% or less of Initial Specified Value |           |
|                                         | Leakage Current                                                                                                                   | Initial specified value or less         |           |
| Shelf Life    放置寿命                      | 1000hours, no voltage applied, at 85℃ After Test: U <sub>R</sub> to be applied for 30 minutes, 24 to 48 hours before measurement. |                                         |           |
|                                         | Capacitance Change                                                                                                                | Within ± 20% of Initial Value           |           |
|                                         | tan δ                                                                                                                             | 200% or less of Initial Specified Value |           |
|                                         | Leakage Current                                                                                                                   | Initial Specified Value or less         |           |
| Standards    参照标准                       | JIS C5101-4-1 and JIS C5101-2                                                                                                     |                                         |           |

● Permissible Ripple Current 允许纹波电流

Temperature Coefficient 温度系数

| TEMP(℃) 温度       | 40   | 60   | 70   | 85   |
|------------------|------|------|------|------|
| Coefficient 校正系数 | 1.89 | 1.67 | 1.56 | 1.00 |

Frequency Coefficient 频率系数

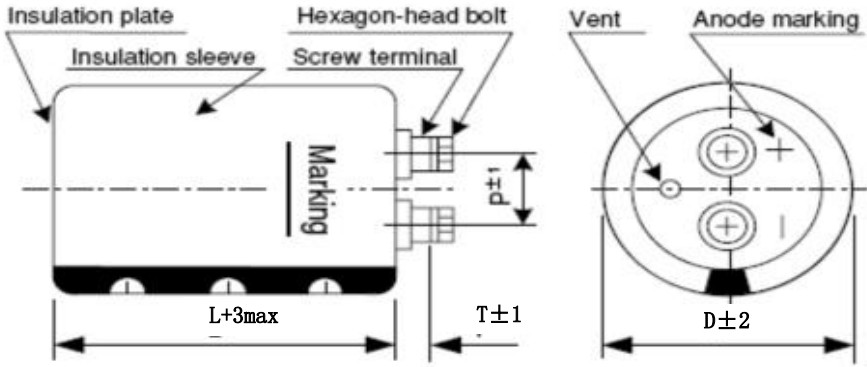
| Frequency (Hz) 频率           | 50/60 | 120  | 300  | 1K   | ≥10K |
|-----------------------------|-------|------|------|------|------|
| Correction coefficient 校正系数 | 0.80  | 1.00 | 1.10 | 1.30 | 1.40 |

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KSD series

● Dimensions(mm)尺寸

| Φ D | P    | S     | T   |
|-----|------|-------|-----|
| 35  | 12.7 | M5×10 | 6.5 |
| 51  | 22   | M5×10 | 6.5 |
| 64  | 28   | M5×10 | 6.5 |
| 76  | 31.2 | M5×10 | 6.0 |
| 90  | 31.5 | M5×10 | 6.0 |
| 100 | 32.0 | M8×17 | 6.0 |
| 120 | 41.5 | M6×12 | 6.0 |



● Standard Ratings 标准额定值

| WV<br>(Vdc) | Cap<br>(uF) | Case size<br>Φ D×L<br>(mm) | tanδ<br>(Max) | R.C.<br>(Arms/85℃<br>,120HZ) | Part No.  |
|-------------|-------------|----------------------------|---------------|------------------------------|-----------|
| 450         | 3300        | 64*130                     | 0.20          | 14.8                         | 227EC0030 |
|             | 15000       | 100*195                    | 0.20          | 26.5                         | 227EC0031 |