

# KNSCHA

Empowering The World

## 广东科尼盛电子科技有限公司

## KNSCHA ELECTRONICS CO.,LIMITED

IATF16949:2016

ISO9001:2015

ISO14001:2015

### 部品规格书 APPROVE SHEET

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| 客 户 名 称<br>Customer Name |                                                           |
| 产 品 名 称<br>Product Name  | 基板自立型牛角铝电解电容器<br>Snap-in Aluminum Electrolytic Capacitors |
| 客 户 料 号<br>Customer P/N  |                                                           |
| 科 尼 盛 料 号<br>KNSCHA P/N  | LSK400M567T352S1AA(203EC1349)                             |
| 型 号 规 格<br>Product Type  | 400V/560μF 5000Hours@105℃ 插件,35xL35mm PET咖啡银字             |
| 日 期<br>Date              | 2024年10月17日                                               |

|                    |                 |
|--------------------|-----------------|
| 制 造<br>Manufacture |                 |
| 核 准<br>APPROVAL    | 制 作<br>PREPARED |
| 王 伟                | 刘 国 华           |

|                                |                |                 |
|--------------------------------|----------------|-----------------|
| 客 户 承 认 栏<br>CUSTOMER APPROVED |                |                 |
| 核 准<br>APPROVED                | 确 认<br>CHECKED | 经 办<br>DESIGNED |
|                                |                |                 |

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## KNSCHA ELECTRONICS CO., LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

### Aluminum Electrolytic Capacitors

- Source Manufacturer
- 25+ Years Experience
- 7X24 Hours Online Service



### Film Capacitors

- Source Manufacturer
- 10+ Years Experience





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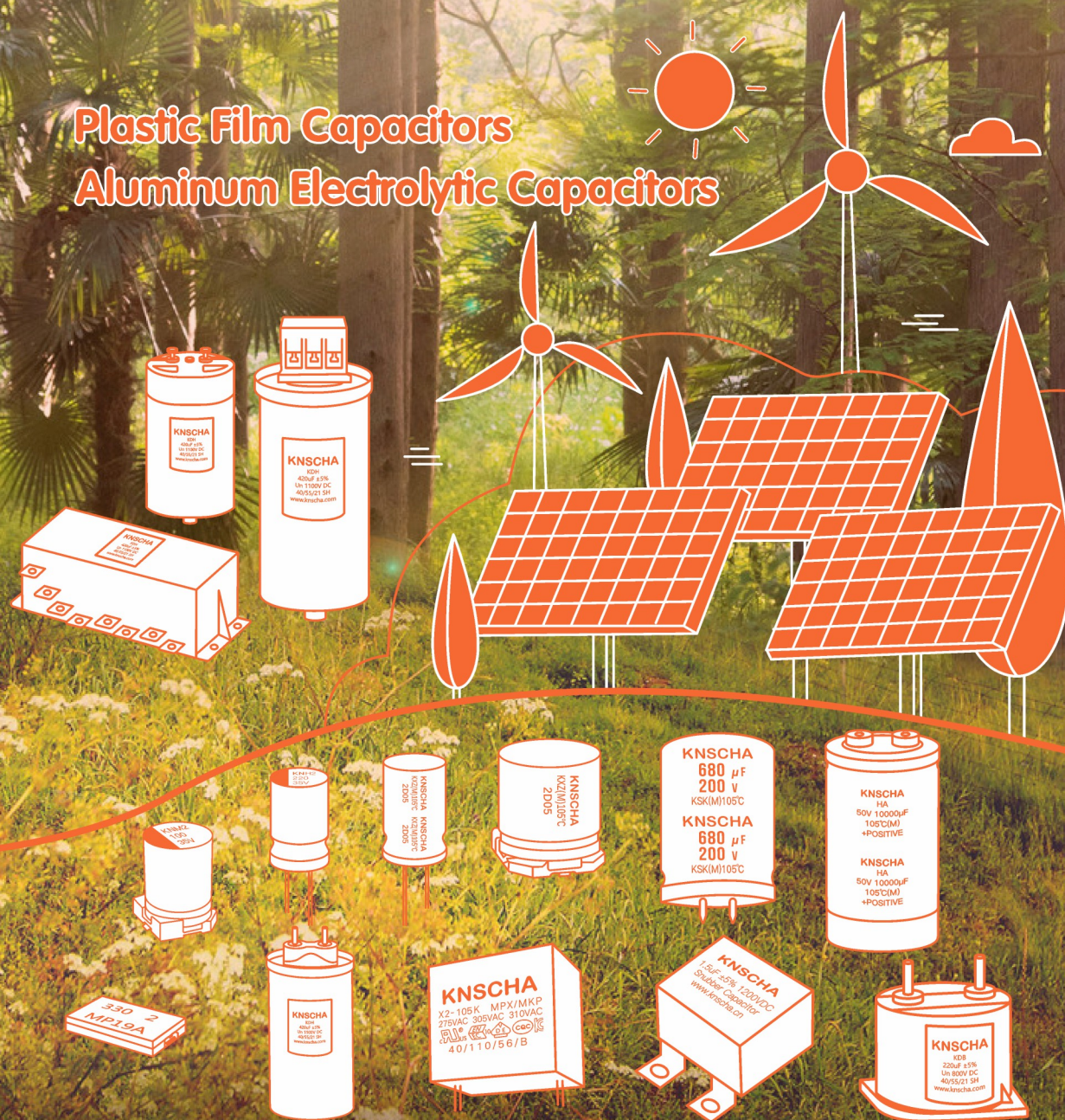
KNSCHA ELECTRONICS CO., LIMITED is a manufacturing high-tech enterprise founded in 1987 with aluminum electrolytic capacitors and film capacitors as its core for automotive, renewable energy, industrial and consumer electronics. We are working on developing aluminum electrolytic capacitors and plastic film capacitors having higher performance and higher reliability and its product chain extends to multiple categories such as electric double layer capacitors, ceramic capacitors and resistors under the trademark "KNSCHA", quickly responding to customer needs.

KNSCHA's manufacturing facilities are located in Guangdong, Hunan and Jiangxi and employ over 380 peoples. Our state-of-art manufacturing facilities including R&D, testing labs, automated manufacturing, warehousing and customer service are operate with high quality standard, using Lean manufacturing processes with a comprehensive ISO 9001/14001 and IATF 16949 management systems.

Our products have obtained UL, VDE, TÜV, ENEC10, KTL, and CQC safety certification, and comply with SGS's RoHS, Reach, AECQ-200 and National Grid Testing standards.

As a supporter of this advanced electronic industry, we are very pleased to have contributed to its development.

## Plastic Film Capacitors Aluminum Electrolytic Capacitors



**KNSCHA has knowledge and know-how as a capacitor professional manufacturer.**  
**We are always comitted to the original performance our customers need.**  
**We solves problems together with our customers.**



# KNSCHA

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## 特性/ Features

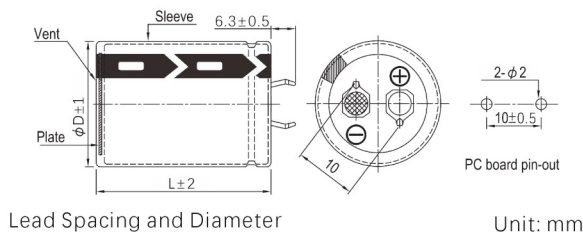
- Long Life
- Load Life: 5000 hours at 105°C
- RoHS compliant
- 长寿命品
- 105°C 负荷寿命 5000 小时
- 符合 RoHS 指令



■ 表1 规格表 Specifications

| 项目 Items                                        | 性 能 Performance                                                                                                                                                                                                                              |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------------------------------------------------------------|------|------|------|------|------|------|
| 工作温度范围<br>Category Temperature Range            | 16~500V                                                                                                                                                                                                                                      |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | -25℃~+105℃                                                                                                                                                                                                                                   |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
| 额定静电容量容许误差值<br>Capacitance Tolerance            | ± 20% (120 Hz, 20℃)                                                                                                                                                                                                                          |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
| 漏电流<br>Leakage Current(at 20℃)                  | 测试时间<br>Time                                                                                                                                                                                                                                 | 2 分钟后<br>after 2 minutes                                 |      |      |      |      |      |      | 5 分钟后<br>after 2 minutes                                   |      |      |      |      |      |      |
|                                                 | 漏电流<br>Leakage Current                                                                                                                                                                                                                       | I ≤ 0.03CV or 3(mA/毫安)<br>之中任一个较小值以下whichever is smaller |      |      |      |      |      |      | I ≤ 3√CV or 0.94 (mA/毫安)<br>之中任一个较小值以下whichever is smaller |      |      |      |      |      |      |
|                                                 | I = 漏电流(μA/微安)、C = 额定静电容量(μF/微法拉)、V = 额定直流工作电压(V/伏特)<br>Where,C = rated capacitance in μF,V = rated DC working voltage in V                                                                                                                  |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
| 损失角正切值<br>Tanδ (at 120 Hz, 20℃)                 | 额定电压<br>Rated Voltage                                                                                                                                                                                                                        | 16                                                       | 25   | 35   | 50   | 63   | 80   | 100  | 200                                                        | 220  | 250  | 400  | 420  | 450  | 500  |
|                                                 | 损失角正切值<br>Tanδ (max)                                                                                                                                                                                                                         | 0.50                                                     | 0.45 | 0.40 | 0.35 | 0.30 | 0.20 | 0.20 | 0.20                                                       | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.25 |
| 温度特性(120 Hz)<br>Low Temperature Characteristics | 阻抗比不可大于下表所列数值 Impedance ratio shall not exceed the values given in the table below.                                                                                                                                                          |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 额定电压<br>Rated Voltage                                                                                                                                                                                                                        | 16                                                       | 25   | 35   | 50   | 63   | 80   | 100  | 200                                                        | 220  | 250  | 400  | 420  | 450  | 500  |
|                                                 | 阻抗比<br>Impedance Ratio                                                                                                                                                                                                                       | Z(-25℃)/Z(+20℃)                                          | 4    | 3    | 3    | 2    | 2    | 2    | 2                                                          | 4    | 4    | 4    | 8    | 8    | 8    |
| 耐久性<br>Endurance                                | 保证寿命时间<br>Test Time                                                                                                                                                                                                                          | 5,000 hours                                              |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 静电容量变化率<br>Capacitance Change                                                                                                                                                                                                                | ≤ 初始值的± 20%<br>Within ±20% of initial value              |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 损失角正切值<br>Tanδ                                                                                                                                                                                                                               | ≤ 初始规格值的200% Less than 200% of specified value           |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 漏电流<br>Leakage Current                                                                                                                                                                                                                       | ≤ 初始规格值 Within specified value                           |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | *于 105℃环境中供给容许纹波电流值与额定电压 5,000 小时后, 待制品回复至 20℃的环境中进行量测时, 需满足上列要求。<br>*The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 5,000 hours at 105℃. |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
| 高温无负荷特性<br>Shelf Life Test                      | 保证寿命时间<br>Test Time                                                                                                                                                                                                                          | 1,000 hours                                              |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 静电容量变化率<br>Capacitance Change                                                                                                                                                                                                                | ≤ 初始值的± 20%<br>Within ±20% of initial value              |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 损失角正切值<br>Tanδ                                                                                                                                                                                                                               | ≤ 初始规格值的200% Less than 200% of specified value           |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | 漏电流<br>Leakage Current                                                                                                                                                                                                                       | ≤ 初始规格值 Within specified value                           |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |
|                                                 | *于 105℃环境中不供给额定电压 1,000 小时后, 待制品回复至 20℃的环境中进行量测时, 需满足上列要求。<br>*The above specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied.                      |                                                          |      |      |      |      |      |      |                                                            |      |      |      |      |      |      |

■ 表2 外形尺寸 Dimensions(mm)



|      |         |    |    |    |    |    |       |    |    |    |    |  |
|------|---------|----|----|----|----|----|-------|----|----|----|----|--|
| ΦD±1 | 22,25.4 |    |    |    |    |    | 30,35 |    |    |    |    |  |
| L±2  | 25      | 30 | 35 | 40 | 45 | 50 | 30    | 35 | 40 | 45 | 50 |  |

■ 表3 纹波电流与频率修正系数

Ripple Current and Frequency Multipliers

| Freq.(Hz)                     |         | 60  | 120  | 500  | 1K   | 10K  |
|-------------------------------|---------|-----|------|------|------|------|
| Rated Volt.(V <sub>DC</sub> ) |         |     |      |      |      |      |
| Coefficient                   | 16~100  | 0.9 | 1.00 | 1.05 | 1.10 | 1.15 |
|                               | 200~250 | 0.8 | 1.00 | 1.20 | 1.30 | 1.50 |
|                               | 400~500 | 0.8 | 1.00 | 1.20 | 1.25 | 1.40 |



■表4 标准品一览表 Standard Size

Dimension and Permissible Ripple Current

Dimension:  $\phi D \times L$ (mm)  
Ripple Current: mA/rms at 120 Hz, 105°C

| Rated Volt.(Vdc) | 16      |       | 25      |       | 35      |       | 50      |       | 63      |       | 80      |       | 100     |       |  |  |
|------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--|--|
| Surge Volt.(Vdc) | 20      |       | 32      |       | 44      |       | 63      |       | 79      |       | 100     |       | 125     |       |  |  |
| Item<br>Cap.(µF) | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. |  |  |
| 560              |         |       |         |       |         |       |         |       |         |       |         |       | 22×25   | 1010  |  |  |
| 680              |         |       |         |       |         |       |         |       |         |       |         |       | 22×30   | 1190  |  |  |
| 820              |         |       |         |       |         |       |         |       |         |       | 22×25   | 1090  | 22×35   | 1330  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       |         |       | 25.4×25 | 1260  |  |  |
| 1000             |         |       |         |       |         |       |         |       | 22×25   | 1100  | 22×30   | 1290  | 22×40   | 1560  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       |         |       | 25.4×30 | 1520  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       |         |       | 30×25   | 1470  |  |  |
| 1200             |         |       |         |       |         |       |         |       | 22×25   | 1170  | 22×35   | 1480  | 22×45   | 1760  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       | 25.4×25 | 1320  | 25.4×35 | 1760  |  |  |
| 1500             |         |       |         |       |         |       |         |       | 22×30   | 1410  | 22×40   | 1700  | 22×50   | 2000  |  |  |
|                  |         |       |         |       |         |       |         |       | 25.4×25 | 1380  | 25.4×30 | 1740  | 25.4×40 | 2030  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       | 30×25   | 1580  | 30×30   | 1890  |  |  |
| 1800             |         |       |         |       |         |       | 22×25   | 1280  | 22×35   | 1620  | 22×45   | 1910  | 25.4×45 | 2290  |  |  |
|                  |         |       |         |       |         |       |         |       | 25.4×30 | 1630  | 25.4×35 | 1860  | 30×25   | 2190  |  |  |
|                  |         |       |         |       |         |       |         |       |         |       | 30×25   | 1680  | 35×30   | 2050  |  |  |
| 2200             |         |       |         |       |         |       | 22×30   | 1520  | 22×40   | 1850  | 25.4×45 | 2220  | 30×40   | 2520  |  |  |
|                  |         |       |         |       |         |       | 25.4×25 | 1460  | 25.4×30 | 1750  | 30×30   | 2020  | 35×35   | 2480  |  |  |
|                  |         |       |         |       |         |       |         | 30×25 | 1660    |       |         |       |         |       |  |  |
| 2500             |         |       |         |       |         |       |         |       |         |       |         |       | 35×35   | 2762  |  |  |
| 2700             |         |       |         |       |         |       | 22×25   | 1770  | 22×45   | 2100  | 30×35   | 2500  | 30×45   | 2860  |  |  |
|                  |         |       |         |       |         |       | 25.4×30 | 1760  | 25.4×35 | 2030  | 35×30   | 2180  | 35×40   | 2870  |  |  |
|                  |         |       |         |       |         |       |         | 30×30 | 2010    |       |         |       |         |       |  |  |
| 3300             |         |       |         |       | 22×30   | 1540  | 22×40   | 2020  | 25.4×40 | 2330  | 30×40   | 2690  | 35×45   | 3250  |  |  |
|                  |         |       |         |       |         |       | 25.4×30 | 1870  | 30×30   | 2150  | 35×35   | 2600  |         |       |  |  |
|                  |         |       |         |       |         |       | 30×25   | 1720  |         |       |         |       |         |       |  |  |
| 3900             |         |       |         |       | 22×35   | 1770  | 25.4×25 | 1550  | 25.4×45 | 2580  | 30×45   | 2940  | 35×50   | 3560  |  |  |
|                  |         |       |         |       |         |       |         |       | 30×35   | 2460  | 35×40   | 3000  |         |       |  |  |
|                  |         |       |         |       |         |       |         |       | 35×30   | 2310  |         |       |         |       |  |  |
| 4700             |         |       | 22×30   | 1550  | 22×40   | 2010  | 25.4×40 | 2430  | 30×40   | 2820  | 35×45   | 3440  |         |       |  |  |
|                  |         |       |         |       | 25.4×30 | 1870  | 30×30   | 2220  | 35×35   | 2770  |         |       |         |       |  |  |
| 5600             |         |       | 22×35   | 1770  | 22×45   | 2250  | 25.4×45 | 2720  | 30×45   | 3220  | 35×50   | 3720  |         |       |  |  |
|                  |         |       | 25.4×25 | 1560  | 25.4×35 | 2180  | 30×35   | 2580  | 35×40   | 3200  |         |       |         |       |  |  |
|                  |         |       |         |       | 30×25   | 1800  | 35×30   | 2350  |         |       |         |       |         |       |  |  |
| 6800             | 22×30   | 1660  | 22×40   | 2020  | 22×50   | 2490  | 30×40   | 3010  | 35×45   | 3610  |         |       |         |       |  |  |
|                  |         |       | 25.4×30 | 1880  | 25.4×40 | 2450  | 35×35   | 2910  |         |       |         |       |         |       |  |  |
|                  |         |       |         |       | 30×30   | 2280  |         |       |         |       |         |       |         |       |  |  |
| 8200             | 22×30   | 1790  | 22×45   | 2270  | 25.4×45 | 2800  | 30×50   | 3630  | 35×50   | 3940  |         |       |         |       |  |  |
|                  | 25.4×25 | 1670  | 25.4×35 | 2180  | 30×35   | 2690  | 35×40   | 3360  |         |       |         |       |         |       |  |  |
|                  |         |       | 30×25   | 1920  |         |       |         |       |         |       |         |       |         |       |  |  |
| 10000            | 22×35   | 2080  | 22×50   | 2560  | 30×40   | 3040  | 35×45   | 3790  |         |       |         |       |         |       |  |  |
|                  | 25.4×30 | 2070  | 25.4×40 | 2530  | 35×30   | 2780  |         |       |         |       |         |       |         |       |  |  |
|                  |         |       | 30×30   | 2380  |         |       |         |       |         |       |         |       |         |       |  |  |
| 12000            | 22×40   | 2360  | 25.4×45 | 2790  | 30×45   | 3380  | 35×50   | 4060  |         |       |         |       |         |       |  |  |
|                  | 25.4×35 | 2370  | 30×35   | 2700  | 35×35   | 3300  |         |       |         |       |         |       |         |       |  |  |
|                  | 30×25   | 2130  | 35×30   | 2760  |         |       |         |       |         |       |         |       |         |       |  |  |
| 15000            | 22×45   | 2690  | 30×40   | 3130  | 35×40   | 3880  |         |       |         |       |         |       |         |       |  |  |
|                  | 25.4×40 | 2720  | 35×30   | 3000  |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 30×30   | 2540  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 18000            | 25.4×45 | 3060  | 30×45   | 3520  | 35×45   | 4400  |         |       |         |       |         |       |         |       |  |  |
|                  | 30×35   | 3020  | 35×35   | 3500  |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 35×30   | 3090  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 22000            | 25.4×50 | 3390  | 30×50   | 3920  |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 30×40   | 3460  | 35×40   | 3950  |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 35×30   | 3310  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 27000            | 30×45   | 3880  | 35×50   | 4720  |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 35×35   | 3850  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 33000            | 30×50   | 4330  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
|                  | 35×40   | 4330  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 39000            | 35×45   | 4960  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |
| 47000            | 35×50   | 5490  |         |       |         |       |         |       |         |       |         |       |         |       |  |  |

制品尺寸与容许纹波电流一览表

尺寸: 直径( $\phi D$ )×长度(L), (毫米/mm)  
容许纹波电流: 毫安/均方根值(mA/rms), 120 赫兹(Hz), 105°C



Dimension and Permissible Ripple Current

Dimension:  $\phi D \times L$ (mm)  
Ripple Current: mA/rms at 120 Hz, 105°C

| Rated Volt.(Vdc)     | 200     |       | 220     |       | 250     |       | 400     |       | 420     |       | 450     |       | 500     |       |
|----------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| Surge Volt.(Vdc)     | 250     |       | 270     |       | 300     |       | 450     |       | 470     |       | 500     |       | 550     |       |
| Item Cap.( $\mu F$ ) | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. | D×L     | R. C. |
| 47                   |         |       |         |       |         |       |         |       |         |       |         |       | 22×25   | 440   |
| 56                   |         |       |         |       |         |       |         |       |         |       |         |       | 22×30   | 510   |
| 68                   |         |       |         |       |         |       |         |       |         |       |         |       | 22×30   | 560   |
|                      |         |       |         |       |         |       |         |       |         |       |         |       | 25.4×25 | 550   |
|                      |         |       |         |       |         |       |         |       |         |       |         |       | 22×35   | 680   |
| 82                   |         |       |         |       |         |       | 22×25   | 640   | 22×25   | 610   | 22×25   | 600   | 25.4×30 | 640   |
|                      |         |       |         |       |         |       |         |       |         |       |         |       | 30×25   | 630   |
|                      |         |       |         |       |         |       |         |       |         |       | 22×30   | 730   | 22×40   | 770   |
| 100                  |         |       |         |       |         |       | 22×30   | 740   | 22×30   | 740   | 25.4×25 | 720   | 25.4×35 | 740   |
|                      |         |       |         |       |         |       |         |       |         |       |         |       | 30×25   | 690   |
|                      |         |       |         |       |         |       | 22×30   |       | 22×35   | 860   | 22×35   | 840   | 22×50   | 870   |
| 120                  |         |       |         |       |         |       | 25.4×25 | 790   | 25.4×25 | 750   | 25.4×30 | 870   | 25.4×35 | 810   |
|                      |         |       |         |       |         |       |         |       |         |       |         |       | 30×30   | 810   |
|                      |         |       |         |       |         |       | 22×35   | 920   | 22×40   | 980   | 22×40   | 970   | 25.4×45 | 970   |
| 150                  |         |       |         |       |         |       | 25.4×30 | 950   | 25.4×30 | 900   | 25.4×30 | 890   | 30×35   | 960   |
|                      |         |       |         |       |         |       |         |       |         |       | 30×25   | 900   | 35×30   | 920   |
|                      |         |       |         |       |         |       |         |       |         |       | 35×35   | 900   |         |       |
| 180                  |         |       |         |       |         |       | 22×40   | 1050  | 22×45   | 1090  | 22×40   | 1080  | 25.4×50 | 1100  |
|                      |         |       |         |       |         |       | 25.4×35 | 1100  | 25.4×35 | 1050  | 25.4×35 | 1030  | 30×40   | 1070  |
|                      |         |       |         |       |         |       | 30×25   | 970   | 30×25   | 930   | 30×30   | 1080  | 35×30   | 1000  |
|                      |         |       |         |       |         |       | 22×50   | 1280  | 22×50   | 1210  | 25.4×40 | 1170  | 25×50   | 1100  |
| 220                  |         |       |         |       | 22×25   | 970   | 25.4×35 | 1120  | 25.4×40 | 1190  | 30×30   | 1100  | 30×45   | 1220  |
|                      |         |       |         |       |         |       | 30×30   | 1170  | 30×30   | 1120  |         |       |         |       |
|                      |         |       |         |       |         |       | 35×25   | 1100  | 35×25   | 1050  | 35×25   | 1040  | 35×40   | 1210  |
|                      |         |       |         |       |         |       | 25.4×45 | 1400  | 25.4×45 | 1340  | 25.4×50 | 1430  |         |       |
| 270                  | 22×25   | 1090  | 22×25   | 1040  | 22×30   | 1180  | 30×35   | 1360  | 30×35   | 1300  | 30×30   | 1100  | 35×40   | 1320  |
|                      |         |       |         |       |         |       | 35×30   | 1330  | 35×30   | 1270  | 30×35   | 1280  |         |       |
|                      |         |       |         |       |         |       |         |       |         |       | 35×30   | 1250  |         |       |
|                      |         |       |         |       |         |       | 25.4×45 | 1480  | 30×40   | 1470  | 30×45   | 1450  |         |       |
| 330                  | 22×30   | 1310  | 22×30   | 1260  | 22×35   | 1370  | 25.4×50 | 1550  |         |       |         |       | 35×45   | 1500  |
|                      |         |       |         |       | 25.4×25 | 1140  | 30×35   | 1430  | 35×35   | 1450  | 35×35   | 1430  |         |       |
|                      |         |       |         |       |         |       | 30×40   | 1550  |         |       |         |       |         |       |
|                      |         |       |         |       |         |       | 35×30   | 1350  |         |       |         |       |         |       |
| 390                  | 22×30   | 1320  | 22×35   | 1470  |         |       |         |       | 30×45   | 1640  | 30×50   | 1750  | 35×55   | 1730  |
|                      |         |       | 25×25   | 1210  |         |       |         |       | 35×40   | 1680  | 35×40   | 1660  |         |       |
| 470                  | 22×35   |       | 22×40   | 1640  | 22×45   | 1740  | 30×50   | 1890  | 30×50   | 1810  |         |       |         |       |
|                      | 25.4×30 | 1540  | 25×30   | 1470  | 25.4×35 | 1610  | 35×40   | 1780  | 35×40   | 1710  | 35×45   | 1850  |         |       |
|                      |         |       |         |       | 30×25   | 1340  |         |       |         |       |         |       |         |       |
| 560                  | 22×40   | 1750  | 22×45   | 1860  | 22×50   | 1920  |         |       |         |       |         |       |         |       |
|                      |         |       | 25×35   | 1710  | 25.4×40 | 1830  | 35×45   | 1980  | 35×50   | 2070  | 35×50   | 2040  |         |       |
|                      | 25.4×30 | 1540  | 30×25   | 1410  | 30×30   | 1630  |         |       |         |       |         |       |         |       |
|                      |         |       |         |       | 35×25   | 1480  |         |       |         |       |         |       |         |       |
| 680                  | 22×45   | 1960  | 22×50   | 2050  | 25.4×45 | 2040  |         |       |         |       |         |       |         |       |
|                      | 25.4×35 | 1790  | 25.4×40 | 1940  | 30×35   | 1900  | 35×50   | 2190  |         |       |         |       |         |       |
|                      |         |       | 30×30   | 1710  |         |       |         |       |         |       |         |       |         |       |
|                      | 30×25   | 1460  | 35×25   | 1540  | 35×30   | 1800  |         |       |         |       |         |       |         |       |
| 820                  | 22×50   | 2150  | 25.4×45 | 2160  | 25.4×50 | 2240  |         |       |         |       |         |       |         |       |
|                      | 25.4×40 | 2030  | 30×35   | 1990  | 30×40   | 2150  |         |       |         |       |         |       |         |       |
|                      | 30×30   | 1770  |         |       |         |       |         |       |         |       |         |       |         |       |
|                      | 35×25   | 1590  | 35×30   | 1890  | 35×30   | 1810  |         |       |         |       |         |       |         |       |
| 1000                 | 25.4×45 | 2260  | 25.4×50 | 2370  | 30×45   | 2390  |         |       |         |       |         |       |         |       |
|                      | 30×35   | 2060  | 30×40   | 2260  |         |       |         |       |         |       |         |       |         |       |
|                      | 35×30   | 1930  | 35×35   | 2150  | 35×35   | 2380  |         |       |         |       |         |       |         |       |
| 1200                 | 30×40   | 2340  | 30×45   | 2510  | 30×50   | 2620  |         |       |         |       |         |       |         |       |
|                      | 35×35   | 2220  | 35×40   | 2480  | 35×40   | 2390  |         |       |         |       |         |       |         |       |
| 1500                 | 30×45   | 2600  | 30×50   | 2750  |         |       |         |       |         |       |         |       |         |       |
|                      | 35×40   | 2560  | 35×40   | 2500  | 30×50   | 2920  |         |       |         |       |         |       |         |       |
| 1800                 | 35×45   | 2850  | 35×50   | 3040  |         |       |         |       |         |       |         |       |         |       |
| 2200                 | 35×50   | 3140  |         |       |         |       |         |       |         |       |         |       |         |       |

制品尺寸与容许纹波电流一览表

尺寸: 直径( $\phi D$ )×长度(L), (毫米/mm)  
容许纹波电流: 毫安/均方根值(mA/rms), 120 赫兹(Hz), 105°C



表5 产品编码说明 Part Numbering System

| L                        | SK                 | 200                                                                                                                                                                        | M                                           | 687                   | R35               | 4                           | S1                       | A                                     | A                     |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
|--------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------|-------------------|-----------------------------|--------------------------|---------------------------------------|-----------------------|-----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-------|-----|-------|-----|------|-----|-------|-----|--------|-----|---------|-----|-----------------------------------------------------------------------------------------------------------|----------|--------|-------|-----|-----------------------------------|--|--|--|
| 电容器类别<br>Capacitors Name | 系列名<br>Series Name | 额定电压<br>Rated voltage                                                                                                                                                      | 额定静电容量<br>容许误差值<br>Capacitance<br>tolerance | 额定静电容量<br>Capacitance | 制品尺寸<br>Case size | PET套颜色管<br>PET Sleeve color | 加工形状<br>Processing shape | 电气特性<br>Electrical<br>characteristics | 内部特征码<br>Internal use |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
|                          | KSK Series         | 范例Example:<br><table><tr><th>Voltage</th><th>Symbol</th></tr><tr><td>6.3V</td><td>6R3</td></tr><tr><td>10V</td><td>010</td></tr><tr><td>250V</td><td>250</td></tr></table> | Voltage                                     | Symbol                | 6.3V              | 6R3                         | 10V                      | 010                                   | 250V                  | 250 | M=±20% | 范例Example:<br><table><tr><th>Cap.</th><th>Symbol</th></tr><tr><td>0.1μF</td><td>104</td></tr><tr><td>2.2μF</td><td>225</td></tr><tr><td>33μF</td><td>336</td></tr><tr><td>470μF</td><td>477</td></tr><tr><td>6800μF</td><td>688</td></tr><tr><td>82000μF</td><td>829</td></tr></table> | Cap. | Symbol | 0.1μF | 104 | 2.2μF | 225 | 33μF | 336 | 470μF | 477 | 6800μF | 688 | 82000μF | 829 | 范例Example:<br><table><tr><th>Dim.(mm)</th><th>Symbol</th></tr><tr><td>25x35</td><td>R35</td></tr></table> | Dim.(mm) | Symbol | 25x35 | R35 | 咖啡体银字<br>Coffee body silver print |  |  |  |
| Voltage                  | Symbol             |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 6.3V                     | 6R3                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 10V                      | 010                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 250V                     | 250                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| Cap.                     | Symbol             |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 0.1μF                    | 104                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 2.2μF                    | 225                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 33μF                     | 336                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 470μF                    | 477                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 6800μF                   | 688                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 82000μF                  | 829                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| Dim.(mm)                 | Symbol             |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |
| 25x35                    | R35                |                                                                                                                                                                            |                                             |                       |                   |                             |                          |                                       |                       |     |        |                                                                                                                                                                                                                                                                                        |      |        |       |     |       |     |      |     |       |     |        |     |         |     |                                                                                                           |          |        |       |     |                                   |  |  |  |

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