

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 Customer Name | |
| 产品名称 Product Name | 引线型铝电解电容器 Radial Type Aluminum Electrolytic Capacitors |
| 客户料号 Customer P/N | |
| 科尼盛料号 KNSCHA P/N | DXW050M337H162S1AA (203EC1243) |
| 型号规格 Product Type | 50V/330 μ F 7000Hours@105 $^{\circ}$ C 插件,D10xL16mm PET咖啡银字 |
| 日期 Date | 2024年10月30日 |

| 制造 Manufacture | |
|-------------------|----------------|
| 核准 APPROVAL | 制作 PREPARED |
| 王勃 | 刘国栋 |

| 客户承认栏 CUSTOMER APPROVED | | |
|----------------------------|---------------|----------------|
| 核准 APPROVED | 确认 CHECKED | 经办 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



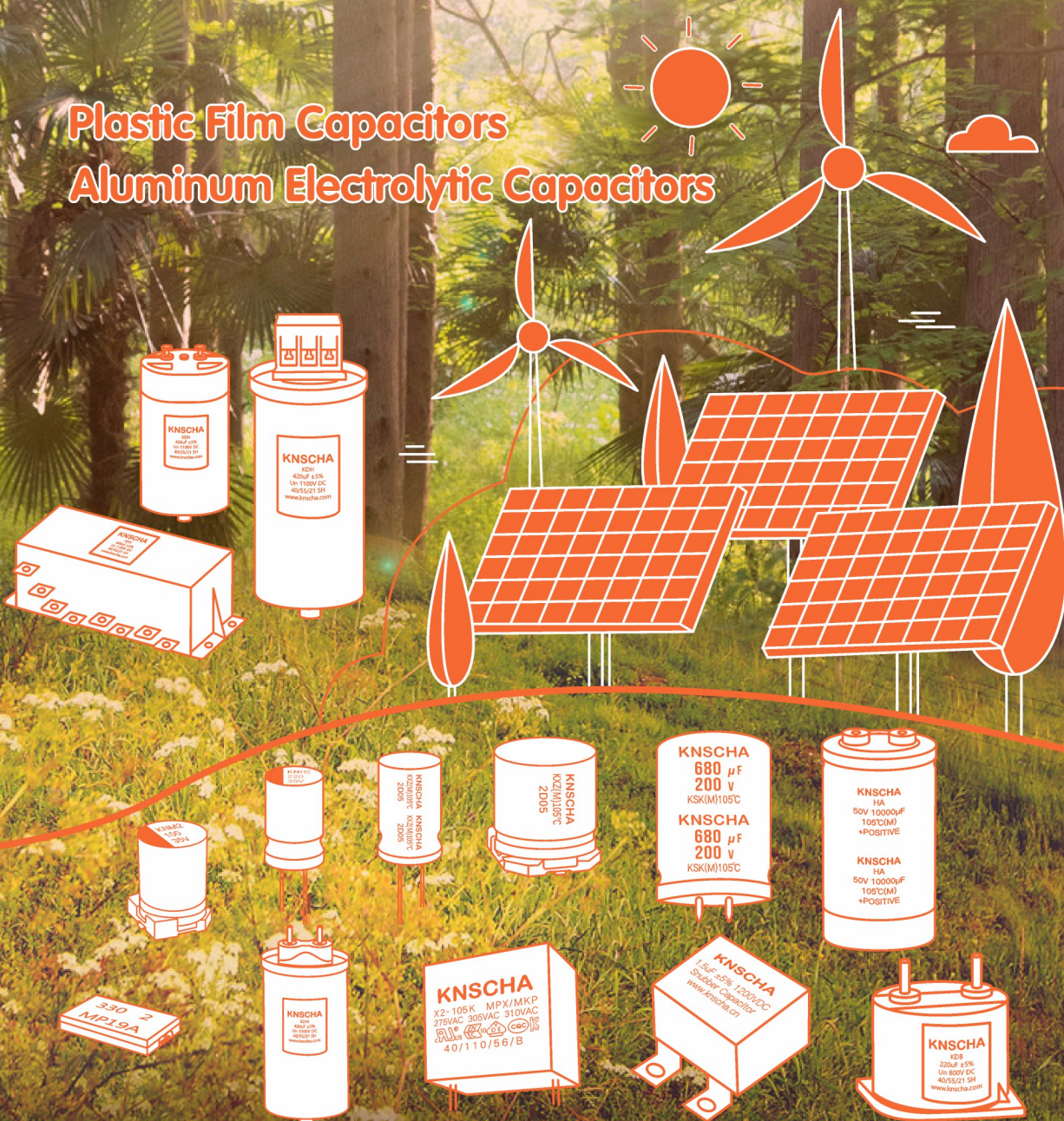
KNSCHA ELECTRONICS CO., LIMITED is a manufacturing high-tech enterprise founded in 1987 with aluminum electrolytic capacitors and film capacitors as its core for automotive, renewable energy, industrial and consumer electronics. We are working on developing aluminum electrolytic capacitors and plastic 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

Empowering The World



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KNSCHA ELECTRONICS CO., LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

特性/ Features

- Low impedance for high frequency
- Long life, High ripple current
- suitable for switching power supplies
- Load Life:4000~10000 hours at 105°C
- RoHS compliant
- 高频低阻、耐高纹波电流
- 长寿命品, 适用交换式电源供应器(SPS)
- 105°C 负荷寿命4000~10000小时
- 符合RoHS指令



$\Phi D < 13\text{mm}$



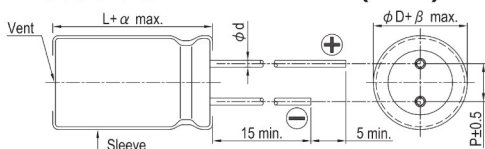
$\Phi D \geq 13\text{mm}$

引线型Radial

表1 规格表 Specifications

| 项目 Items | 性能 Performance | | | | | | | | | | | | | | |
|---|--|--|----------|----------|------------------------------|----------|--------------|---------------------------------|------|-----|-----|-----|-----|-----|-----|
| 工作温度范围 Category Temperature Range | 6.3V~400V | | | | | | 450V | | | | | | | | |
| | -40°C~+105°C | | | | | | -25°C~+105°C | | | | | | | | |
| 额定静电容量容许误差值 Capacitance Tolerance | ± 20% (120 Hz, 20°C) | | | | | | | | | | | | | | |
| 漏电流 Leakage Current(at 20°C) | 额定电压 Rated voltage | ≤100V | | | | | | > 100V | | | | | | | |
| | 测试时间 Time | 2 分钟后 after 2 minutes | | | | | | 2 分钟后 after 2 minutes | | | | | | | |
| | 漏电流 Leakage Current | I ≤ 0.01CV or 3(μA/微安) 之中任一较大值以下whichever is greater | | | | | | I ≤ 0.03CV+10(μA/微安) | | | | | | | |
| 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) Where, C = rated capacitance in μF, V = rated DC working voltage in V | | | | | | | | | | | | | | | |
| 损失角正切值 Tanδ (at 120 Hz, 20°C) | 额定电压 Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 400 | 450 |
| | 损失角正切值 Tanδ (max) | 0.20 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | | | | | | |
| | 额定电压 Rated Voltage | 100 | 160 | 200 | 250 | 400 | 450 | | | | | | | | |
| | 损失角正切值 Tanδ (max) | 0.08 | 0.20 | 0.20 | 0.20 | 0.24 | 0.24 | | | | | | | | |
| 当额定静电容量大于1,000微法拉时, 每增加1,000微法拉需加0.02。 When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase. | | | | | | | | | | | | | | | |
| 温度特性(120 Hz) 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 Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 400 | 450 |
| | 阻抗比 Impedance Ratio | Z(-25°C)/Z(+20°C) | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 6 | 6 |
| 耐久性 Endurance | 保证寿命时间 Test Time | $\Phi D=5\text{mm}$ and 6.3mm | | | $\Phi D=8\text{mm}$ and 10mm | | | $\Phi D=12.5\text{mm}$ and 18mm | | | | | | | |
| | | 6.3V~10V | 16V~450V | 6.3V~10V | 16V~450V | 6.3V~10V | 16V~450V | | | | | | | | |
| | 静电容量变化率 Capacitance Change | ≤ 初始值的 ± 25% Within ± 25% of initial value | | | | | | | | | | | | | |
| | 损失角正切值 Tanδ | ≤ 初始规格值的200%或0.4(取较大者) Less than 200% of specified value or 0.4 whichever is greater | | | | | | | | | | | | | |
| | 漏电流 Leakage Current | ≤ 初始规格值 Within specified value | | | | | | | | | | | | | |
| | *于105°C环境中供给容许纹波电流值与额定电压 4,000~10,000 小时后, 待制品回复至20°C的环境中进行量测时, 需满足上列要求。 *The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 4,000~10,000 hours at 105°C. | | | | | | | | | | | | | | |
| 高温无负荷特性 Shelf Life Test | 保证寿命时间 Test Time | 1,000 hours | | | | | | | | | | | | | |
| | 静电容量变化率 Capacitance Change | ≤ 初始值的 ± 25% Within ± 25% of initial value | | | | | | | | | | | | | |
| | 损失角正切值 Tanδ | ≤ 初始规格值的200%或0.4(取较大者) Less than 200% of specified value or 0.4 whichever is greater | | | | | | | | | | | | | |
| | 漏电流 Leakage Current | ≤ 初始规格值 Within specified value | | | | | | | | | | | | | |
| | *于105°C环境中不供给额定电压 1,000 小时后, 待制品回复至20°C的环境中进行量测时, 需满足上列要求。 *The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. | | | | | | | | | | | | | | |

表2 外形尺寸 Dimensions(mm)



Lead Spacing and Diameter

Unit: mm

| β | ±0.5 | | | | | | | | | |
|-------------------|------|-----|-----------------------|-----|------|---------------------|-----|------|----|--|
| ΦD | 5 | 6.3 | 8 | 10 | 12.5 | 13 | 16 | 18 | 22 | |
| $\Phi d \pm 0.05$ | 0.5 | | 0.6 | | | | 0.8 | | | |
| $P \pm 0.5$ | 2 | 2.5 | 2.5/3.5 | 5.0 | | | 7.5 | | 10 | |
| $L \pm \alpha$ | ±1 | | ±1.5/L ≥ 40, α = ±2.0 | | | ±2/L ≥ 40, α = ±2.5 | | ±2.0 | | |

表3 纹波电流与频率修正系数

Ripple Current and Frequency Multipliers

| Cap.(μF) | Freq.(Hz) | 120 | 1K | 10K | 100K |
|----------|-------------|------|------|------|------|
| | Coefficient | ~33 | 0.42 | 0.70 | 0.90 |
| 39~270 | | 0.50 | 0.73 | 0.92 | 1.00 |
| 330~680 | | 0.55 | 0.77 | 0.94 | 1.00 |
| 820~1800 | | 0.60 | 0.80 | 0.96 | 1.00 |
| 2200~ | | 0.70 | 0.85 | 0.98 | 1.00 |

■表4 标准品一览表 Standard Size

Dimension: $\phi D \times L$ (mm)
 Impedance: Ω /at 100k Hz, 20°C
 Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Rated Volt.(Vdc) | 6.3 | | | 10 | | | 16 | | | 25 | | |
|----------------------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|
| Surge Volt.(Vdc) | 8 | | | 13 | | | 20 | | | 32 | | |
| Item Cap.(μF) | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. |
| 10 | | | | | | | | | | 5×11 | 1.00 | 82 |
| 22 | | | | | | | | | | 5×11 | 0.80 | 110 |
| 47 | | | | | | | 5×11 | 0.570 | 200 | 5×11 | 0.580 | 210 |
| 56 | | | | | | | 5×11 | 0.570 | 210 | | | |
| 100 | | | | 6.3×7 | 0.580 | 190 | 5×11 | 0.300 | 280 | 6.3×11 | 0.220 | 340 |
| | | | | 5×11 | 0.580 | 210 | 6.3×11 | 0.220 | 310 | | | |
| 150 | 5×11 | 0.570 | 210 | | | | | | | | | |
| 220 | | | | 6.3×11 | 0.220 | 340 | 6.3×11 | 0.22 | 340 | 8×12 | 0.130 | 640 |
| 330 | 6.3×11 | 0.220 | 340 | | | | 6.3×14 | 0.160 | 640 | 8×16 | 0.080 | 888 |
| | | | | | | | 8×12 | 0.130 | 640 | 10×12.5 | 0.080 | 865 |
| 470 | 6.3×11 | 0.18 | 520 | 8×12 | 0.130 | 640 | 8×14 | 0.10 | 865 | 8×16 | 0.060 | 968 |
| | | | | | | | | | | 8×20 | | 1210 |
| | | | | | | | 10×12.5 | 0.080 | 865 | 10×16 | | 1210 |
| | | | | | | | | | | 10×20 | | 1353 |
| 680 | 8×12 | 0.130 | 640 | 8×14 | 0.080 | 775 | 8×16 | 0.060 | 1082 | 8×16 | 0.046 | 1000 |
| | | | | 10×12.5 | | 865 | 10×16 | | 1210 | 8×20 | | 1251 |
| | | | | | | | | | | 10×16 | | 1251 |
| | | | | | | | | | | 10×20 | | 1400 |
| 820 | 10×12.5 | 0.080 | 865 | 10×16 | 0.072 | 1000 | | | | 10×16 | 0.050 | 1590 |
| | | | | | | | | | | 10×20 | | 1500 |
| | | | | | | | | | | 10×25 | 0.042 | 1650 |
| | | | | | | | | | | 13×16 | 0.042 | 1800 |
| 1000 | 8×16 | 0.087 | 870 | 8×16 | 0.060 | 1082 | 8×20 | 0.055 | 1100 | 10×20 | 0.035 | 1472 |
| | | | | 10×16 | | 1210 | 10×16 | 0.050 | 1250 | | | |
| | | | | | | | 10×20 | 0.046 | 1400 | 13×20 | | 1900 |
| 1200 | 8×20 | 0.071 | 1050 | 10×20 | 0.046 | 1400 | 10×25 | 0.042 | 1650 | | | |
| | | | | 10×16 | | 1320 | 10×20 | 0.047 | 1630 | | | |
| 1500 | 10×20 | 0.046 | 1400 | 10×20 | 0.042 | 1650 | 13×20 | 0.035 | 1900 | 13×20 | 0.033 | 2550 |
| | | | | 10×25 | | | | | | 13×25 | 0.027 | 2230 |
| 1800 | | | | | | | 10×25 | 0.039 | 2020 | | | |
| 2200 | 10×25 | 0.042 | 1650 | 10×20 | 0.043 | 1460 | 13×25 | 0.027 | 2230 | 18×20.5 | 0.025 | 2880 |
| | | | | 13×20 | 0.035 | 1900 | | | | | | |
| 2700 | 10×31.5 | 0.031 | 1910 | | | | | | | 16×25.5 | 0.021 | 2930 |
| 3300 | 13×20 | 0.035 | 1900 | 13×25 | 0.027 | 2230 | 13×35 | 0.020 | 2880 | 18×25.5 | 0.019 | 3140 |
| 3900 | 12.5×25 | 0.026 | 2240 | 16×20.5 | 0.027 | 2530 | 16×25.5 | 0.021 | 2930 | | | |
| 4700 | 12.5×30 | 0.024 | 2650 | 13×35 | 0.020 | 2880 | 18×25.5 | 0.019 | 3140 | 18×35.5 | 0.019 | 4220 |
| 5600 | 16×20.5 | 0.026 | 2540 | 16×25.5 | 0.021 | 2930 | | | | 18×40 | 0.012 | 4280 |
| 6800 | 16×25.5 | 0.021 | 2930 | 18×25.5 | 0.019 | 3140 | 16×40 | 0.013 | 4080 | | | |
| 8200 | | | | | | | 18×35.5 | 0.014 | 4220 | | | |
| 10000 | 18×25.5 | 0.021 | 3140 | 16×40 | 0.013 | 4080 | 18×40 | 0.012 | 4280 | | | |

制品尺寸与容许纹波电流一览表

尺寸：直径(ϕD)×长度(L), (毫米/mm)
 阻抗值：欧姆(Ω)/最大值, 100k 赫兹(Hz), 20°C
 容许纹波电流：毫安/均方根值(mA/rms), 100k 赫兹(Hz), 105°C

Dimension: $\phi D \times L$ (mm)
 Impedance: Ω /at 100k Hz, 20°C
 Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Rated Volt.(Vdc) | 35 | | | 50 | | | 63 | | | 80 | | | 100 | | |
|------------------------|---------|-------|-------|---------|-------|-------|---------|-------|-------|------------------|---------------|------------|----------------|-------|-------|
| Surge Volt.(Vdc) | 44 | | | 63 | | | 79 | | | 100 | | | 125 | | |
| Item Cap.(μ F) | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. |
| 0.47 | | | | 5×11 | 5.50 | 17 | | | | | | | | | |
| 1 | | | | 5×11 | 4.00 | 30 | | | | | | | | | |
| 2.2 | | | | 5×11 | 2.50 | 43 | | | | | | | | | |
| 3.3 | | | | 5×11 | 2.20 | 80 | | | | | | | | | |
| 4.7 | | | | 5×11 | 1.90 | 100 | | | | | | | | | |
| 5.6 | | | | | | | | | | | | | 5×11 | 1.4 | 110 |
| 6.8 | | | | 5×11 | 1.7 | 110 | | | | 5×11 | 2.2 | 56 | 5×11 | 1.40 | 125 |
| 10 | | | | 5×11 | 1.50 | 135 | | | | | | | | | |
| 15 | | | | | | | 5×11 | 0.88 | 165 | 6.3×11 | 1.2 | 120 | 6.3×11 | 0.57 | 205 |
| 22 | 5×11 | 0.98 | 170 | 5×11 | 0.70 | 180 | | | | | | | 8×12 | 1.00 | 190 |
| 27 | | | | 5×11 | 0.70 | 190 | | | | | | | 8×12 | 0.36 | 355 |
| 33 | 5×11 | 0.58 | 210 | | | | 6.3×11 | 0.35 | 265 | | | | | | |
| 39 | | | | | | | | | | | | | 8×16 | 0.25 | 450 |
| 47 | 6.3×11 | 0.35 | 280 | 6.3×11 | 0.45 | 260 | 8×12 | 0.30 | 310 | | | | 10×12.5 | 0.17 | 480 |
| 56 | 6.3×11 | 0.22 | 340 | 6.3×11 | 0.30 | 295 | 8×12 | 0.22 | 500 | | | | 8×20 | 0.19 | 565 |
| 68 | | | | 8×9 | 0.30 | 300 | | | | 10×12.5 | 0.17 | 480 | 8×20 10×16 | 0.11 | 600 |
| 82 | | | | | | | 8×16 | 0.16 | 665 | | | | 10×20 | 0.084 | 800 |
| | | | | | | | 10×12.5 | 0.11 | 690 | | | | | | |
| 100 | 8×12 | 0.18 | 480 | 8×12 | 0.17 | 555 | 8×20 | 0.12 | 750 | 10×16 | 0.11 | 600 | 10×20 13×16 | 0.11 | 750 |
| | | | | | | | 10×16 | 0.12 | 750 | | | | | | |
| 120 | | | | 8×16 | 0.120 | 730 | 8×20 | 0.12 | 820 | 10×20 | 0.084 | 800 | 10×25 13×16 | 0.069 | 900 |
| | | | | | | | 10×16 | 0.076 | 950 | | | | | | |
| 150 | 8×12 | 0.13 | 640 | 10×12.5 | 0.120 | 760 | 10×16 | 0.076 | 950 | 10×25 13×16 | 0.069 0.11 | 900 750 | 13×20 | 0.062 | 1100 |
| 180 | | | | 8×20 | 0.091 | 910 | 10×20 | 0.056 | 1150 | 10×20 | 0.12 | 1040 | | | |
| | | | | | | | 13×16 | 0.072 | 1150 | | | | | | |
| 220 | 8×12 | 0.090 | 630 | 8×20 | 0.090 | 950 | 10×20 | 0.200 | 1020 | 10×20 | 0.09 | 1110 | 13×25 13×30 | 0.047 | 1250 |
| | 8×16 | 0.087 | 840 | | | | 10×25 | 0.046 | 1350 | | | | 13×30 | 0.047 | 1400 |
| | 10×12.5 | 0.08 | 865 | 10×16 | 0.084 | 1050 | 13×16 | 0.046 | 1020 | 13×20 | 0.062 | 1100 | 16×20.5 | 0.048 | 1350 |
| 270 | 10×16 | 0.07 | 1050 | 10×20 | 0.060 | 1220 | 13×20 | 0.041 | 1500 | | | | 13×30 | 0.042 | 1500 |
| | | | | 10×20 | 0.055 | 1220 | | | | | | | 13×35 | 0.036 | 1650 |
| 330 | 10×16 | 0.06 | 1210 | 10×25 | 0.055 | 1440 | 13×20 | 0.06 | 1570 | 13×25 | 0.047 | 1250 | 16×25.5 | 0.038 | 1700 |
| | | | | | | | | | | 16×20.5 | 0.048 | 1350 | 18×20.5 | 0.045 | 1500 |
| 390 | | | | | | | 12.5×25 | 0.06 | 2000 | 13×25 | 0.08 | 1300 | 13×40 | 0.032 | 1800 |
| | | | | | | | | | | 13×30 | 0.042 | 1500 | 16×31.5 | 0.058 | 1960 |
| 470 | 10×20 | 0.048 | 1400 | 10×20 | 0.050 | 1450 | 13×20 | 0.032 | 1030 | 12.5×35 | 0.036 | 1650 | 16×31.5 | 0.032 | 1850 |
| | | | | 13×20 | 0.045 | 1660 | 13×30 | 0.028 | 2300 | 16×25.5 | 0.038 | 1700 | | | |
| | | | | | | | 16×20.5 | 0.032 | 2000 | 18×20.5 | 0.045 | 1500 | 18×25.5 | 0.036 | 1750 |
| 560 | 10×25 | 0.042 | 1650 | 13×25 | 0.034 | 1950 | 13×35.5 | 0.024 | 2500 | | | | 16×35.5 | 0.029 | 2000 |
| | | | | | | | 13×30 | 0.082 | 2000 | 12.5×40 | 0.032 | 1800 | | | |
| | | | | | | | 16×20.5 | 0.045 | 2000 | | | | 18×31.5 | 0.030 | 1900 |
| | | | | | | | 16×25.5 | 0.030 | 2400 | | | | | | |
| 680 | 10×20 | 0.063 | 1620 | 13×20 | 0.040 | 1895 | 12.5×40 | 0.021 | 2800 | 16×31.5 | 0.032 | 2400 | 18×35.5 | 0.027 | 2200 |
| | 13×20 | 0.035 | 1900 | 13×25 | 0.030 | 1825 | 16×25.5 | 0.025 | 2600 | | | | 16×40 | 0.027 | 2200 |
| | | | | 13×30 | 0.030 | 2310 | 18×20.5 | 0.030 | 2500 | 18×25.5 | 0.036 | 1750 | | | |
| 820 | | | | 13×35 | 0.025 | 2510 | 16×31.5 | 0.021 | 2850 | 16×35.5 | 0.029 | 2000 | 18×40 | 0.026 | 2700 |
| | | | | 16×20.5 | 0.034 | 2210 | 18×25.5 | 0.024 | 2800 | 18×31.5 | 0.030 | 1900 | | | |
| 1000 | 13×25 | 0.027 | 2230 | 16×25.5 | 0.025 | 2555 | 16×25.5 | 0.019 | 2900 | 16×40 18×31.5 | 0.027 | 2200 | | | |
| | 16×20.5 | 0.027 | 2530 | | | | | | | | | | | | |
| 1200 | 13×30 | 0.024 | 2650 | 16×35.5 | 0.022 | 3010 | 16×40 | 0.018 | 3400 | 18×40 | 0.026 | 2700 | | | |
| | 16×20.5 | 0.027 | 2530 | 18×25.5 | 0.026 | 2740 | 18×31.5 | 0.020 | 3300 | | | | | | |
| 1500 | 13×35 | 0.020 | 2880 | 16×35.5 | 0.019 | 3150 | 18×35.5 | 0.018 | 3400 | | | | | | |
| 1800 | 12.5×40 | 0.030 | 2900 | 18×31.5 | 0.021 | 3640 | 18×40 | 0.017 | 3500 | | | | | | |
| | 16×25.5 | 0.021 | 2930 | | | | | | | | | | | | |
| 2200 | 18×25.5 | 0.019 | 3140 | 18×35.5 | 0.017 | 3680 | | | | | | | | | |
| 3300 | 18×35.5 | 0.012 | 4280 | | | | | | | | | | | | |

制品尺寸与容许纹波电流一览表

尺寸：直径(ϕD)×长度(L), (毫米/mm)
 阻抗值：欧姆(Ω)/最大值, 100k 赫兹(Hz), 20°C
 容许纹波电流：毫安/均方根值(mA/rms), 100k 赫兹(Hz), 105°C

Dimension: $\phi D \times L$ (mm)
 Impedance: Ω /at 100k Hz, 20°C
 Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Rated Volt.(Vdc) | 160 | | | 200 | | | 250 | | | 400 | | | 450 | | |
|---------------------|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| Surge Volt.(Vdc) | 200 | | | 200 | | | 300 | | | 450 | | | 500 | | |
| Item Cap.(μ F) | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. | D×L | IMP | R. C. |
| 4.7 | 8×12 | 2.25 | 208 | | | | | | | | | | 10×20 | 3.70 | 270 |
| 10 | 10×16 | 2.25 | 315 | | | | 10×20 | 4.20 | 350 | 10×20 | 3.45 | 350 | 13×20 | 2.60 | 450 |
| 22 | 10×20 | 1.65 | 500 | | | | 10×20 | 1.80 | 500 | 13×20 | 1.22 | 650 | 16×20.5 | 1.00 | 725 |
| 33 | 10×20 | 1.07 | 625 | | | | 13×20 | 1.80 | 800 | 16×20.5 | 0.69 | 900 | 16×25.5 | 1.21 | 975 |
| 47 | 13×20 | 0.69 | 750 | | | | 13×20 | 0.90 | 975 | 16×25.5 | 0.50 | 1175 | 18×25.5 | 0.48 | 1200 |
| 68 | | | | | | | | | | 18×20.5 | 1.00 | 1110 | 18×25.5 | 0.48 | 1350 |
| 100 | 13×25 | 0.47 | 1395 | | | | 16×25.5 | 0.45 | 1530 | 18×31.5 | 0.46 | 1720 | 18×35.5 | 0.48 | 1690 |
| 220 | 16×35.5 | 0.21 | 2295 | 18×25.5 | 0.60 | 2300 | 18×31.5 | 0.41 | 2545 | | | | 18×40 | 0.46 | 1800 |

制品尺寸与容许纹波电流一览表

尺寸: 直径(ϕD)×长度(L), (毫米/mm)
 阻抗值: 欧姆(Ω)/最大值, 100k 赫兹(Hz), 20°C
 容许纹波电流: 毫安/均方根值(mA/rms), 100k 赫兹(Hz), 105°C

表5 产品编码说明 Part Numbering System

| D | XW | 035 | M | 227 | G12 | 4 | S1 | A | A |
|---|--------------------|---|---|---|--|-----------------------------------|--------------------------|---------------------------------------|-----------------------|
| 电容器类别 Capacitors Name | 系列名 Series Name | 额定电压 Rated voltage | 额定静电容量 容许误差值 Capacitance tolerance | 额定静电容量 Capacitance | 制品尺寸 Case size | PET套颜色管 PET Sleeve color | 加工形状 Processing shape | 电气特性 Electrical characteristics | 内部特征码 Internal use |
| 引线型铝电解电容器 Leaded Aluminum Electrolytic Capacitors | KXW Series | 范例Example: Voltage Symbol 6.3V 6R3 10V 010 250V 250 | M=±20% | 范例Example: Cap. Symbol 0.1 μ F 104 2.2 μ F 225 33 μ F 336 470 μ F 477 6800 μ F 688 82000 μ F 829 | 范例Example: ϕD L (mm) Symbol 8x12 G12 | 咖啡体银字 Coffee body silver print | | | |

△如需了解更详细之介绍, 请联系我们
 Note: For more details, please contact us
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