

Specification for approval

客户名称:

(Customer Name)

产品名称:

电解电容器

(Product Name)

Aluminum Electrolytic Capacitor

客户料号:

(Customer part number)

科尼盛料号:

DGA250M227N255S1AA

(KNSCHA number)

型号规格:

E/C 250V/220 μ F 18*25mm KNSCHA KGA

(Specifications)

日期:

2025.6.16

DATE

| 制 造 Manufacture | |
|--------------------|-----------------|
| 核 准 APPROVAL | 制 作 PREPARED |
| 王帅 | 陆美秀 |

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

广东科尼盛电子科技有限公司

KNSCHA ELECTRONICS CO., LIMITED.

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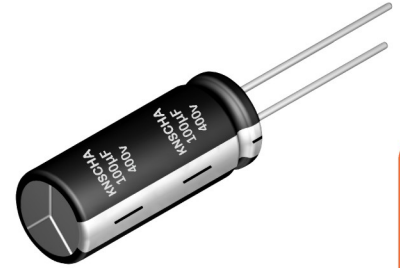


特性/ Features

- 105°C standard series for general purposes
- Load Life: 2000 hours at 105°C
- RoHS compliant
- 105°C一般用途通用标准品
- 105°C负荷寿命2000小时
- 符合RoHS指令



ΦD < 13mm



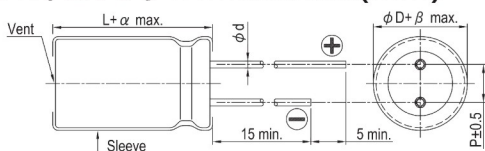
ΦD ≥ 13mm

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 | 6.3~400V | | | | | | | | 450~650V | | | | | | | |
| | -40℃~+105℃ | | | | | | | | -25℃~+105℃ | | | | | | | |
| 额定静电容量容许误差值 Capacitance Tolerance | ± 20% (120 Hz, 20℃) | | | | | | | | | | | | | | | |
| 漏 电 流 Leakage Current(at 20℃) | 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℃) | 额定电压 Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 220 | 250 | 350 | 400 | |
| | 损失角正切值 Tanδ (max) | 0.24 | 0.2 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.15 | 0.15 | 0.12 | 0.15 | 0.15 | 0.20 | |
| | 额定电压 Rated Voltage | 450 | 500 | 550 | 600 | 650 | | | | | | | | | | |
| | 损失角正切值 Tanδ (max) | 0.24 | 0.24 | 0.24 | 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 | 100 | 160 | 200 | 250 | 350 | 400 | 500 |
| | 阻抗比 Impedance Ratio | Z(-25℃)/Z(+20℃) | 5 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 6 | 15 |
| Z(-40℃)/Z(+20℃) | | 10 | 8 | 6 | 4 | 3 | 3 | 3 | 3 | 6 | 6 | 8 | 8 | 10 | | |
| 耐 久 性 Endurance | 保证寿命时间 Test Time | | 2,000 hours | | | | | | | | | | | | | |
| | 静电容量变化率 Capacitance Change | | ≤6.3V | | | | | | | | > 6.3V | | | | | |
| | | | ≤ 初始值的+20%~-30% Within +20%~-30% of initial value | | | | | | | | ≤ 初始值的± 20% Within ±20% 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℃环境中供给容许纹波电流值与额定电压 2,000 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。 *The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 2,000 hours at 105℃. | | | | | | | | | | | | | | | |
| 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 | | ≤6.3V | | | | | | | | > 6.3V | | | | | |
| | | | ≤ 初始值的+20%~-30% Within +20%~-30% of initial value | | | | | | | | ≤ 初始值的± 20% Within ±20% 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℃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。 *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)



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 | | $\pm 1.5/L \geq 40, \alpha = \pm 2.0$ | | | | $\pm 2/L \geq 40, \alpha = \pm 2.5$ | | ± 2.0 | |

■ 表3 纹波电流与频率修正系数

Ripple Current and Frequency Multipliers

6.3V~100V

| Freq.(Hz) | | 50 | 120 | 1K | 100K |
|-----------------|---------|------|------|------|------|
| Cap.(μF) | | | | | |
| Coefficient | ~47 | 0.75 | 1.00 | 1.57 | 2.00 |
| | 100~470 | 0.80 | 1.00 | 1.34 | 1.5 |
| | 1000~ | 0.85 | 1.00 | 1.13 | 1.15 |

160V~500V

| F (Hz) | 50 | 120 | 1K | 100K |
|-------------|------|------|------|------|
| Coefficient | 0.80 | 1.00 | 1.40 | 1.60 |

■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) | 6.3 | | 10 | | 16 | | 25 | | 35 | | 50 | | 63 | |
|------------------------|---------|-------|---------|-------|---------|-------|---------|---------|---------|-------|---------|-------|---------|-------|
| Surge Volt.(Vdc) | 8 | | 13 | | 20 | | 32 | | 44 | | 63 | | 79 | |
| Item Cap.(μ 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. |
| 0.1 | | | 5×11 | | | | | | | | 5×11 | 1.5 | | |
| 0.22 | | | | | | | | | | | 5×11 | 3.5 | | |
| 0.33 | | | | | | | | | | | 5×11 | 5.2 | | |
| 0.47 | | | | | | | | | | | 5×11 | 8.5 | | |
| 1 | | | | | | | | | | | 5×11 | 15 | | |
| 2.2 | | | | | | | | | | | 5×11 | 24 | | |
| 3.3 | | | | | | | | | | | 5×11 | 30 | | |
| 4.7 | | | | | | | 5×11 | 30 | 5×11 | 31 | 5×11 | 36 | 6.3×11 | 37 |
| 6.8 | | | | | | | | | | | 5×11 | 40 | | |
| 10 | | | | | 5×11 | 42 | 5×11 | 43 | 5×11 | 47 | 5×11 | 59 | 5×11 | 68 |
| 22 | | | 5×11 | 59 | 5×11 | 63 | 5×11 | 65 | 5×11 | 75 | 5×11 | 73 | 5×11 | 85 |
| 33 | 5×11 | 69 | 5×11 | 77 | 5×11 | 79 | 5×11 | 83 | 5×11 | 91 | 5×11 | 97 | 6.3×11 | 116 |
| 47 | 5×11 | 78 | 5×11 | 87 | 5×11 | 94 | 5×11 | 97 | 5×11 | 109 | 6.3×11 | 107 | 8×12 | 121 |
| 68 | | | | | | | | | | | | | 6.3×11 | 160 |
| 100 | 5×11 | 111 | 5×11 | 139 | 5×11 | 129 | 5×11 | 135 | 6.3×11 | 169 | 8×12 | 218 | 10×12.5 | 254 |
| | | | | | 6.3×11 | 135 | 6.3×11 | 163 | 8×12 | 199 | 8×14 | 242 | | |
| 220 | 5×11 | 156 | 5×11 | 182 | 6.3×11 | 218 | 8×12 | 290 | 8×12 | 290 | 10×12.5 | 333 | 10×16 | 399 |
| | 6.3×11 | 183 | 6.3×11 | 219 | | | | | | | 10×16 | 363 | 10×20 | 436 |
| 330 | 6.3×11 | 233 | 6.3×11 | 272 | 8×12 | 321 | 8×12 | 327 | 8×14 | 385 | 10×16 | 410 | 10×20 | 605 |
| | | | | | | | | | 10×12.5 | 411 | | | | |
| 470 | 6.3×11 | 266 | 6.3×11 | 290 | 8×12 | 374 | 8×12 | 382 | 10×16 | 545 | 10×20 | 600 | 13×20 | 762 |
| | | | | | | | | 8×16 | 451 | | | | | |
| | | | | | | | | 10×12.5 | 448 | 10×20 | 602 | 13×20 | 762 | |
| | | | | | | | | 10×16 | 520 | | | | | |
| 680 | | | 8×12 | 380 | | | 10×16 | 503 | 13×20 | 712 | 13×25 | 799 | 13×35.5 | 1004 |
| 820 | 6.3×12 | 299 | | | | | | | | | | | | |
| 1000 | 8×12 | 460 | 10×12.5 | 586 | 10×16 | 617 | 10×20 | 750 | 13×20 | 968 | 13×25 | 1137 | 16×25.5 | 1573 |
| 2200 | 10×20 | 774 | 10×20 | 918 | 10×25 | 937 | 13×25 | 1307 | 16×25.5 | 1513 | 16×35.5 | 1890 | 18×35.5 | 1984 |
| | | | | | 13×20 | 1004 | | | | | 18×25.5 | 1694 | | |
| 3300 | 10×20 | 908 | 13×20 | 1210 | 13×25 | 1404 | 13×31.5 | 1698 | 18×25.5 | 1815 | 18×35.5 | 2130 | | |
| | | | | | | | 16×25.5 | 1694 | | | | | | |
| 4700 | 13×20 | 1307 | 13×25 | 1513 | 13×31.5 | 1836 | 16×31.5 | 1880 | 18×35.5 | 2057 | 18×40 | 2205 | | |
| | | | | | 16×25.5 | 1815 | | | | | 20×40 | 2961 | | |
| | | | | | 18×20.5 | 1815 | | | | | | | | |
| 5600 | | | | | | | | | | | 20×40 | 2300 | | |
| 10000 | 16×25.5 | 1984 | 16×31.5 | 2178 | 18×35.5 | 2000 | | | | | | | | |

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)
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) | 100 | | 160 | | 200 | | 250 | | 350 | | 400 | | 450 | | 500 | | | | | | |
|------------------|---------|-------|--------|---------|---------|-------|---------|-------|---------|-------|----------|---------|---------|---------|---------|-------|------|----|--|--|--|
| Surge Volt.(Vdc) | 125 | | 200 | | 250 | | 300 | | 400 | | 450 | | 500 | | 550 | | | | | | |
| Item 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. | D×L | R. C. | | | | | |
| 0.47 | 5×11 | 8.6 | 5×11 | 7.9 | 5×11 | 8 | 5×11 | 8 | | | 6.3×11 | 14 | | | | | | | | | |
| 1 | 5×11 | 20 | 5×11 | 12 | 5×11 | 12 | 5×11 | 12 | 6.3×11 | 16 | 6.3×11 | 14 | 6.3×11 | 23 | 10×12.5 | 20 | | | | | |
| 2.2 | 5×11 | 30 | 5×11 | 18 | 5×11 | 18 | 6.3×11 | 17 | 6.3×11 | 24 | 8×12 | 30 | 8×12 | 24 | 10×16 | 35 | | | | | |
| 3.3 | 5×11 | 36 | 5×11 | 21 | 6.3×11 | 33 | 6.3×11 | 24 | 8×12 | 33 | 8×12 | 36 | 10×12.5 | 30 | 10×16 | 48 | | | | | |
| 4.7 | 5×11 | 44 | 6.3×11 | 28 | 6.3×11 | 35 | 6.3×11 | 40 | 8×12 | 42 | 6.3×12 | 50 | 8×12 | 45 | 10×20 | 70 | | | | | |
| | | | | | 8×12 | 51 | 8×12 | | | | 8×12 | 50 | | | | | | | | | |
| | | | | | | | | | | | 8×14 | 50 | | | | | | | | | |
| | | | | | | | | | | | 10×12.5 | 50 | 10×16 | 36 | | | | | | | |
| 5.6 | | | | | | | 6.3×11 | 40 | | | | | | | | | | | | | |
| 6.8 | | | | | 8×12 | 61.9 | 8×12 | 54 | | | 8×12 | 80 | 8×16 | 39 | | | | | | | |
| | | | | | | | | | | | 8×14 | 67 | | | | | 8×13 | 35 | | | |
| | | | | | | | | | | | 10×12.5 | 71 | | | | | | | | | |
| 8.2 | | | | | | | | | | | 8×12 | 64 | 8×14 | 54 | | | | | | | |
| | | | | | | | | | | | 8×15 | 73 | | | | | | | | | |
| 10 | 6.3×11 | 75 | 6.3×15 | 48 | 8×12 | 66 | 10×12.5 | 85 | 10×16 | 73 | 8×12 | 94 | 8×13 | 94 | 13×20 | 98 | | | | | |
| | | | 8×12 | 48 | 10×16 | 95 | 10×16 | 97 | | | 8×15 | 94 | 10×16 | 56 | | | | | | | |
| | | | | | | | | | | | 10×16 | 87 | 10×20 | 63 | | | | | | | |
| | | | | | | | | | | | 10×20 | 97 | 13×20 | 63 | | | | | | | |
| 15 | | | | | | | 8×16 | 110 | | | 10×12.5 | 120 | 13×16 | 86 | | | | | | | |
| | | | | | | | 12.5×20 | 100 | | | 10×16 | 96 | | | | | | | | | |
| 18 | | | | | | | | | | | 10×20 | 120 | 13×20 | 94 | | | | | | | |
| 22 | 8×12 | 126 | | | | | | | 13×20 | 123 | 10×17 | 120 | 13×25 | 119 | 12.5×25 | 130 | | | | | |
| | | | | | | | | | 13×25 | 151 | 13×16 | 132 | | | | | | | | | |
| | | | | | | | | | 13×16 | 98 | 13×20 | 148 | 16×20.5 | 160 | 16×31.5 | 145 | | | | | |
| 33 | 8×12 | 145 | 10×16 | 139 | 10×16 | 160 | 13×20 | 182 | 13×25 | 193 | 13×18 | 220 | 13×20 | 170 | 18×35.5 | 198 | | | | | |
| | | | | | 10×20 | 157 | | | | | 13×20 | 210 | 16×20.5 | 180 | | | | | | | |
| | | | | | | | | | | | 13×25 | 260 | 16×25.5 | 194 | | | | | | | |
| | | | | | | | | | | | 16×20.5 | 260 | 16×31.5 | 211 | | | | | | | |
| | | | | | | | | | | | 16×25.5 | 288 | 18×20.5 | 194 | | | | | | | |
| 47 | 8×16 | 170 | 10×20 | 169 | 13×20 | 223 | 13×20 | 218 | 16×25.5 | 254 | 13×25 | 720 | 10×52 | 296 | 18×40 | 300 | | | | | |
| | 10×12.5 | | | | 13×25 | 248 | 13×25 | 238 | | | (100KHZ) | 16×25.5 | 243 | 16×25.5 | | | | | | | |
| | | | | | | | | | | | 16×25.5 | 300 | 16×35.5 | 339 | | | | | | | |
| 53 | | | | | | | | | | | 18×20.5 | | 18×25.5 | 310 | | | | | | | |
| 56 | | | | | | | | | | | 10×52 | | 10×52 | 335 | | | | | | | |
| 68 | | | | | 13×25 | 325 | | | | | 13×25 | 530 | 18×25.5 | 350 | 12.5×50 | 450 | | | | | |
| | | | | | | | | | | | 16×25.5 | 410 | 13×50 | 390 | | | | | | | |
| | | | | | | | | | | | 16×31.5 | 450 | 18×25.5 | 580 | | | | | | | |
| | | | | | | | | | | | 18×20.5 | 410 | 18×35.5 | 508 | | | | | | | |
| | | | | | | | | | | | 18×25.5 | 435 | | | | | | | | | |
| 82 | | | | | | | | | | | 16×25.5 | 358 | 18×25.5 | 450 | | | | | | | |
| | | | | | | | | | | | 18×20.5 | 310 | 18×31.5 | 510 | | | | | | | |
| | | | | | | | | | | | 18×25.5 | 380 | 18×35.5 | 569 | | | | | | | |
| | | | | | | | | | | | 18×31.5 | 424 | | | | | | | | | |
| 100 | 10×20 | 315 | 13×16 | 280 | 13×20 | 300 | 16×25.5 | 387 | 16×31.5 | 510 | 14.5×37 | 585 | 18×35.5 | 566 | | | | | | | |
| | | | | | 16×20.5 | 330 | | | 18×35.5 | 484 | 16×35.5 | 450 | | | | | | | | | |
| | | | | | | | | | 14.5×37 | 400 | 18×25.5 | 380 | | | | | | | | | |
| | | | 13×25 | 363 | | | | | 18×25.5 | 380 | | | | | | | | | | | |
| | | | | 16×25.5 | 377 | | | | 18×31.5 | 429 | 18×31.5 | 429 | | | | | | | | | |
| | | | | | | | | | 22×22 | 420 | 18×35.5 | 484 | 18×40 | 605 | | | | | | | |
| 22×22 | 420 | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | 18×20.5 | 750 | | | | | 18×31.5 | 505 | 18×35.5 | 800 | 20×40 | 850 | | | | | |
| | | | | | | | | | | | 22×25 | | | | | | | | | | |
| | | | | | | | | | | | 18×35.5 | | | | | | 534 | | | | |
| 150 | | | | | | | | | | | 16×40 | 1000 | | | 20×40 | 900 | | | | | |
| | | | | | | | | | | | 18×38 | 609 | | | | | | | | | |

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)
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) | 100 | | 160 | | 200 | | 250 | | 350 | | 400 | | 450 | | 500 | |
|---------------------|---------|-------|---------|-------|---------|-------|-------|-------|-----|-------|---------|-------|-----|-------|-----|-------|
| Surge Volt.(Vdc) | 125 | | 200 | | 250 | | 300 | | 400 | | 450 | | 500 | | 550 | |
| Item Cap.(μ 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. | D×L | R. C. |
| 180 | | | | | | | | | | | 18×35.5 | 800 | | | | |
| | | | | | | | | | | | 22×30 | 800 | | | | |
| 200 | | | | | | | | | | | 18×40 | 1000 | | | | |
| 220 | 13×25 | 581 | 18×25.5 | 484 | 16×35.5 | 593 | 18×40 | 598 | | | 18×45 | 1020 | | | | |
| | 16×20.5 | 581 | | | | | | | | | | | | | | |
| 270 | | | 18×20.5 | 570 | | | | | | | | | | | | |
| 330 | 16×25.5 | 714 | 18×35.5 | 726 | 22×35 | 700 | | | | | | | | | | |
| 390 | | | | | 16×38.5 | 1000 | | | | | | | | | | |
| 470 | 16×31.5 | 968 | | | 22×35 | 900 | | | | | | | | | | |
| 1000 | 18×40 | 1573 | | | | | | | | | | | | | | |

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)
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) | 220 | | 550 | | 600 | | 650 | |
|---------------------|-------|-------|---------|-------|---------|-------|---------|-------|
| Surge Volt.(Vdc) | 270 | | 600 | | 650 | | 700 | |
| Item Cap.(μ F) | D×L | R. C. | D×L | R. C. | D×L | R. C. | D×L | R. C. |
| 4.7 | | | 10×12.5 | 100 | | | | |
| 10 | | | 10×20 | 120 | | | | |
| 15 | | | 13×16 | 110 | | | | |
| 22 | | | | | | | 16×20.5 | 180 |
| 47 | | | | | 18×31.5 | 260 | 18×31.5 | 300 |
| 68 | | | 18×31.5 | 340 | | | 18×35.5 | 380 |
| 82 | | | | | | | 18×40 | 450 |
| 100 | | | | | | | 22×35 | 550 |
| 680 | 22×35 | 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)
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

| D | GA | 650 | M | 826 | N40 | 0 | 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 | KGA Series | 范例Example: <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: <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: <table><tr><th>φDia (mm)</th><th>Symbol</th></tr><tr><td>18x40</td><td>N40</td></tr></table> | φDia (mm) | Symbol | 18x40 | N40 | 黑体银字 Black 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| φDia (mm) | Symbol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18x40 | N40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

△如需了解更详细介绍，请联系我们
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