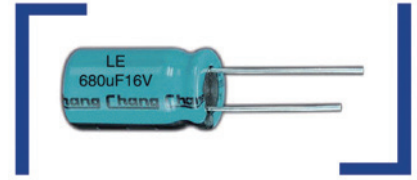


LE 系列 Series

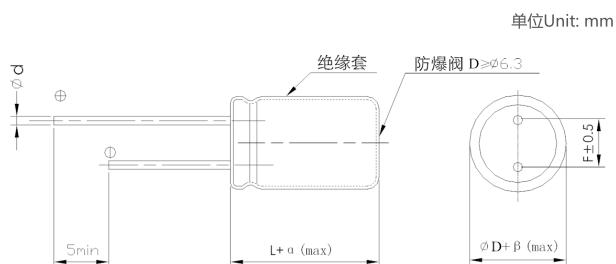


- 耐高纹波，耐高温，特长寿命，105°C 8000 小时~10000 小时
High Ripple Current High Temperature , extremely Long Life, Life time 105°C 8000hours~10000hours
- 专为LED驱动电源设计制造
Specially designed for light emitting diode lamp (LED)drive source
- RoHS指令已对应完毕。
Adapted to the RoHS directive.

主要技术性能 Specifications

| 项目 Items | 特性 Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|------------|----|----|-----|-----|-----|-----|-----|-----|-----|--------------------|------------|---------|-----------|----|----|-----|------------|-----|-------------|-----|------------|-----|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 使用温度范围 Operating Temperature Range | -40°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 额定电压范围 Rated Voltage Range | 16V~ 100V | 160V ~ 450V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 标称电容量范围 Nominal Capacitance Range | 0.47μF ~6800μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 标称电容量允许偏差 Capacitance Tolerance | ±20% (120Hz, +20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 Leakage Current (+20°C) | $I \leq 0.01CV$ 或 $3(\mu A)$ 2分钟 取较大者 (at 20°C,after 2 minutes) (whichever is greater) | $I \leq 0.02 CV + 10\mu A$ (at 20°C,after 2 minutes) 0.02CV+10μA(at 20°C ,after 2 minutes) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C: 标称容量Capacitance (μF) ; V: 额定电压Rated voltage range (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损耗角正切值 (tgδ) Dissipation Factor (+20°C, 120Hz) | U _R (V) | 16 25 35 50 63 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | tgδ | 0.16 0.14 0.12 0.10 0.09 0.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | U _R (V) | 160 200 250 350 400 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | tgδ | 0.15 0.15 0.15 0.20 0.20 0.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 容量大于1000μF者，每增加1000μF，其损耗角正切值增加0.02。 When nominal capacitance exceeds 1000μF,add 0.02 to the value above for each 1000μF increase. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 温度特性 Temperature Characteristics (Impedance ratio at 120Hz) | <table border="1"> <thead> <tr> <th>U_R (V)</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z-40°C / Z+20°C</td> <td>8</td> <td>6</td> <td>6</td> <td>6</td> <td>4</td> <td>4</td> <td>6</td> <td>6</td> <td>6</td> <td>7</td> <td>7</td> <td>9</td> </tr> </tbody> </table> | | | | | | | | | | | | U _R (V) | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | Z-40°C / Z+20°C | 8 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 6 | 7 | 7 | 9 |
| U _R (V) | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z-40°C / Z+20°C | 8 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 6 | 7 | 7 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 Load Life | <p>在+105°C 条件下，施加含额定纹波电流的额定电压，持续规定时间，并在+20°C下恢复16小时后，电容器应符合下列要求 The following specifications shall be met when the capacitors are restored to +20°C for 16 hours after D.C. bias rated ripple current is applied at +105°C, the peak voltage shall not exceed the voltage.</p> <table border="1"> <thead> <tr> <th>Time</th> <th>16WV~100WV</th> <th>φ5~φ6.3</th> <th>8000hours</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <th>φ≥8</th> <td>10000hours</td> </tr> <tr> <td></td> <th>160WV~450WV</th> <td></td> <td>10000hours</td> </tr> </tbody> </table> <p>Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value Leakage current : ≤初始规定值 ≤Initial specified value Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value</p> | | | | | | | | | | | | Time | 16WV~100WV | φ5~φ6.3 | 8000hours | | | φ≥8 | 10000hours | | 160WV~450WV | | 10000hours | | | | | | | | | | | | | | |
| Time | 16WV~100WV | φ5~φ6.3 | 8000hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | φ≥8 | 10000hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 160WV~450WV | | 10000hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高温贮存 Shelf Life | <p>+105°C 1000小时贮存后，恢复16小时后 After storage for 1000 hours at +105°C and then resumed for 16 hours: Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value Leakage current : ≤2倍初始规定值 ≤2 times of the initial specified value Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

外形图及尺寸表 Case Size Table



| D | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|---|-----|-----|---------|-----|------|-----|-----|
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| d | 0.5 | 0.5 | 0.5、0.6 | 0.6 | 0.6 | 0.8 | 0.8 |

| | | | |
|------|----------------|------|-----|
| αMAX | ⊂ L < 20 ⊃ 1.5 | βMAX | 0.5 |
| | ⊂ L ≥ 20 ⊃ 2.0 | | |



允许纹波电流的修正系数 Coefficient of Allowable Ripple Current

| 频率Frequency (Hz) | 50 | 120 | 1K | 10K | 100K |
|--------------------|------|------|------|------|------|
| 修正系数Coefficient | 0.40 | 0.50 | 0.80 | 0.90 | 1.00 |

尺寸 Dimensions

| 容量 CR(μF) | 电压 UR | 项目 Item 代码 Code | 16V(1C) | | | 25V(1E) | | | 35V(1V) | | | 50V(1H) | | |
|--------------|----------|--------------------------|----------|-------|--------|----------|-------|--------|----------|-------|--------|----------|-------|--------|
| | | | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple |
| | | | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) |
| 10 | 100 | | 5×11 | 0.95 | 150 | 5×11 | 0.95 | 160 | 5×11 | 1.35 | 165 | 5×11 | 1.35 | 185 |
| 15 | 150 | | 5×11 | 0.95 | 155 | 5×11 | 0.95 | 170 | 5×11 | 0.95 | 175 | 5×11 | 1.35 | 195 |
| 22 | 220 | | 5×11 | 0.36 | 170 | 5×11 | 0.36 | 185 | 5×11 | 0.95 | 195 | 5×11 | 0.55 | 240 |
| 33 | 330 | | 5×11 | 0.36 | 185 | 5×11 | 0.36 | 200 | 5×11 | 0.36 | 205 | 6.3×11 | 0.32 | 400 |
| 39 | 390 | | 5×11 | 0.36 | 225 | 5×11 | 0.36 | 225 | 5×11 | 0.36 | 245 | 6.3×11 | 0.23 | 400 |
| 47 | 470 | | 5×11 | 0.23 | 245 | 5×11 | 0.23 | 315 | 5×11 | 0.23 | 345 | 6.3×11 | 0.23 | 420 |
| 56 | 560 | | 5×11 | 0.23 | 280 | 5×11 | 0.23 | 335 | 6.3×11 | 0.15 | 480 | 6.3×11 | 0.12 | 385 |
| 68 | 680 | | 5×11 | 0.23 | 305 | 5×11 | 0.23 | 355 | 6.3×11 | 0.13 | 520 | 8×11.5 | 0.135 | 640 |
| 100 | 101 | | 5×11 | 0.23 | 345 | 6.3×11 | 0.098 | 485 | 6.3×11 | 0.085 | 545 | 8×11.5 | 0.12 | 725 |
| 120 | 121 | | 6.3×11 | 0.098 | 485 | 6.3×11 | 0.098 | 525 | 8×11.5 | 0.078 | 780 | 8×16 | 0.061 | 975 |
| 150 | 151 | | 6.3×11 | 0.098 | 510 | 6.3×11 | 0.098 | 555 | 8×11.5 | 0.072 | 840 | 8×16 | 0.061 | 975 |
| 180 | 181 | | 6.3×11 | 0.098 | 525 | 8×11.5 | 0.061 | 875 | 8×11.5 | 0.068 | 965 | 10×16 | 0.046 | 1380 |
| 220 | 221 | | 6.3×11 | 0.098 | 555 | 8×11.5 | 0.061 | 905 | 8×16 | 0.048 | 1020 | 8×20 | 0.041 | 1320 |
| 270 | 271 | | 8×11.5 | 0.061 | 870 | 8×11.5 | 0.061 | 965 | 8×16 | 0.048 | 1050 | 12.5×15 | 0.038 | 1762 |
| 330 | 331 | | 8×11.5 | 0.061 | 920 | 8×11.5 | 0.061 | 965 | 10×12.5 | 0.043 | 1340 | 10×25 | 0.036 | 1650 |
| 390 | 391 | | 8×11.5 | 0.061 | 940 | 8×16 | 0.049 | 1280 | 8×20 | 0.030 | 1520 | 10×25 | 0.031 | 1880 |
| 470 | 471 | | 8×11.5 | 0.061 | 960 | 10×12.5 | 0.043 | 1325 | 10×16 | 0.030 | 1650 | 12.5×20 | 0.030 | 2060 |
| 560 | 561 | | 8×16 | 0.049 | 1230 | 8×20 | 0.031 | 1540 | 10×20 | 0.03 | 1970 | 12.5×25 | 0.025 | 2420 |
| 680 | 681 | | 10×12.5 | 0.043 | 1340 | 10×16 | 0.031 | 1770 | 12.5×15 | 0.025 | 2340 | | | |
| 820 | 821 | | 8×16 | 0.049 | 1280 | 10×16 | 0.031 | 1770 | 10×25 | 0.024 | 2260 | 12.5×30 | 0.021 | 2860 |
| 1000 | 102 | | 10×12.5 | 0.043 | 1340 | | | | 12.5×20 | 0.024 | 2360 | | | |
| 820 | 821 | | 8×20 | 0.031 | 1540 | 10×20 | 0.020 | 2010 | 12.5×20 | 0.024 | 2490 | 12.5×30 | 0.022 | 2870 |
| 1000 | 102 | | 10×16 | 0.031 | 1770 | 12.5×15 | 0.020 | 2010 | | | | | | |
| 1200 | 122 | | 8×20 | 0.031 | 1540 | 10×25 | 0.020 | 2260 | 12.5×20 | 0.024 | 2490 | 12.5×35 | 0.018 | 3050 |
| 1500 | 152 | | 10×16 | 0.031 | 1770 | 12.5×20 | 0.019 | 2260 | | | | 16×25 | 0.020 | 3010 |
| 1800 | 182 | | 10×20 | 0.022 | 1970 | 12.5×20 | 0.019 | 2370 | 12.5×25 | 0.023 | 2910 | 16×30 | 0.018 | 3290 |
| 2200 | 222 | | 12.5×15 | 0.020 | 2340 | | | | | | | 18×25 | 0.025 | 3070 |
| 2700 | 272 | | 10×20 | 0.022 | 1970 | 12.5×20 | 0.019 | 2490 | 12.5×30 | 0.014 | 3460 | 16×35 | 0.018 | 3050 |
| 3300 | 332 | | 12.5×15 | 0.020 | 2340 | | | | 16×20 | 0.022 | 3260 | 18×25 | 0.023 | 3310 |
| 3900 | 392 | | 10×25 | 0.020 | 2260 | 12.5×25 | 0.017 | 2910 | 12.5×35 | 0.012 | 3470 | 16×40 | 0.016 | 3440 |
| 4700 | 472 | | 12.5×20 | 0.019 | 2490 | | | | 16×25 | 0.021 | 3580 | 18×35 | 0.021 | 3520 |
| 5600 | 562 | | 12.5×20 | 0.019 | 2490 | 12.5×30 | 0.014 | 3460 | 16×25 | 0.020 | 3640 | 18×35 | 0.021 | 3580 |
| 6800 | 682 | | | | | 16×20 | 0.017 | 3260 | | | | | | |
| | | | 12.5×25 | 0.017 | 2710 | 12.5×35 | 0.013 | 3580 | 16×30 | 0.011 | 3540 | | | |
| | | | | | | 16×25 | 0.014 | 3640 | 18×25 | 0.011 | 3650 | | | |
| | | | 12.5×30 | 0.014 | 2960 | 12.5×40 | 0.012 | 3900 | 18×35 | 0.010 | 4090 | | | |
| | | | 16×20 | 0.017 | 2960 | 16×25 | 0.014 | 3640 | | | | | | |
| | | | 12.5×30 | 0.014 | 3060 | 16×30 | 0.012 | 3900 | 18×40 | 0.010 | 4160 | | | |
| | | | 16×20 | 0.017 | 3060 | 18×25 | 0.013 | 3660 | | | | | | |
| | | | 12.5×35 | 0.013 | 3280 | 16×35 | 0.011 | 3840 | | | | | | |
| | | | 16×25 | 0.014 | 3240 | 18×30 | 0.011 | 4020 | | | | | | |
| | | | 16×30 | 0.012 | 3700 | 18×35 | 0.010 | 4090 | | | | | | |
| | | | 18×25 | 0.013 | 3660 | | | | | | | | | |
| | | | 16×30 | 0.012 | 3900 | 18×40 | 0.010 | 4160 | | | | | | |
| | | | 18×25 | 0.013 | 3860 | | | | | | | | | |

Size φD×L(mm)
Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz
Maximum ESR (Ω) at 20°C 100KHz

尺寸 Dimensions

| 容量 CR(μF) | 电压 UR | 项目 Item 代码 Code | 63V(1J) | | | 100V(2A) | | | 160V(2C) | | | 200V(2D) | | |
|--------------|----------|--------------------------|----------|-------|--------|----------|-------|--------|----------|-------|--------|----------|-------|--------|
| | | | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple |
| | | | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) |
| 0.47 | R47 | | 5×11 | 1.35 | 80 | 5×11 | 1.85 | 95 | | | | | | |
| 1 | 010 | | 5×11 | 1.35 | 95 | 5×11 | 1.85 | 105 | | | | | | |
| 1.8 | 1R8 | | 5×11 | 1.35 | 95 | 5×11 | 1.80 | 105 | 6.3×11 | 13.94 | 65 | | | |
| 2.2 | 2R2 | | 5×11 | 1.35 | 105 | 5×11 | 1.80 | 115 | 6.3×11 | 13.94 | 70 | 6.3×11 | 14.5 | 75 |
| 2.7 | 2R7 | | 5×11 | 1.35 | 105 | 5×11 | 1.80 | 115 | 6.3×11 | 13.94 | 75 | 6.3×11 | 14.5 | 80 |
| 3.3 | 3R3 | | 5×11 | 1.35 | 115 | 5×11 | 1.80 | 125 | 6.3×11 | 13.94 | 80 | 6.3×11 | 10.15 | 95 |
| 3.9 | 3R9 | | 5×11 | 1.35 | 115 | 5×11 | 1.80 | 135 | 6.3×11 | 13.94 | 85 | 6.3×11 | 10.15 | 105 |
| 4.7 | 4R7 | | 5×11 | 1.35 | 120 | 5×11 | 1.80 | 145 | 8×11.5 | 11.30 | 85 | 8×11.5 | 10.15 | 130 |
| 5.6 | 5R6 | | 5×11 | 1.35 | 135 | 6.3×11 | 1.25 | 205 | 8×11.5 | 11.30 | 100 | 8×11.5 | 7.98 | 135 |
| 6.8 | 6R8 | | 5×11 | 1.35 | 135 | 6.3×11 | 1.25 | 235 | 8×11.5 | 11.30 | 105 | 8×11.5 | 7.98 | 145 |
| 8.2 | 8R2 | | 5×11 | 1.35 | 145 | 6.3×11 | 1.05 | 255 | 8×11.5 | 11.30 | 115 | 8×11.5 | 7.98 | 165 |
| 10 | 100 | | 5×11 | 1.35 | 145 | 6.3×11 | 0.68 | 280 | 8×16 | 7.50 | 135 | 8×12 | 3.65 | 175 |
| 12 | 120 | | 5×11 | 1.35 | 155 | 8×11.5 | 0.39 | 320 | 8×16 | 7.50 | 140 | 8×16 | 3.65 | 190 |
| 15 | 150 | | 5×11 | 1.35 | 165 | 8×11.5 | 0.65 | 320 | 8×16 | 4.27 | 285 | 8×16 | 3.65 | 360 |
| 18 | 180 | | | | | | | | 10×12.5 | 4.27 | 290 | | | |
| 22 | 220 | | 6.3×11 | 0.38 | 265 | 8×11.5 | 0.60 | 345 | 8×16 | 4.27 | 310 | 10×16 | 3.24 | 385 |
| | | | 6.3×11 | 0.38 | 295 | 8×11.5 | 0.52 | 365 | 8×20 | 2.25 | 390 | 10×16 | 3.24 | 390 |
| | | | | | | | | | 10×16 | 2.25 | 390 | | | |
| 27 | 270 | | 6.3×11 | 0.38 | 305 | 8×16 | 0.55 | 455 | 10×16 | 2.25 | 410 | 10×20 | 2.38 | 410 |
| | | | | | | 10×12.5 | 0.56 | 460 | | | | | | |
| 33 | 330 | | 6.3×11 | 0.38 | 335 | 8×16 | 0.46 | 465 | 10×20 | 1.87 | 530 | 10×25 | 1.65 | 530 |
| | | | | | | 10×12.5 | 0.48 | 475 | 12.5×15 | 1.87 | 570 | | | |
| 39 | 390 | | 8×11.5 | 0.23 | 420 | 10×12.5 | 0.38 | 485 | 10×25 | 1.87 | 590 | 12.5×20 | 1.38 | 620 |
| | | | | | | | | | 12.5×15 | 1.87 | 590 | | | |
| 47 | 470 | | 8×11.5 | 0.23 | 435 | 10×12.5 | 0.32 | 510 | 10×25 | 1.87 | 610 | 12.5×20 | 1.38 | 630 |
| | | | | | | | | | 12.5×20 | 1.87 | 630 | 8×50 | 1.38 | 650 |
| 56 | 560 | | 8×11.5 | 0.23 | 445 | 10×12.5 | 0.28 | 540 | 12.5×20 | 1.55 | 740 | 12.5×25 | 1.25 | 670 |
| | | | | | | | | | 8×50 | 1.55 | 740 | 10×50 | 1.25 | 670 |
| 68 | 680 | | 8×11.5 | 0.23 | 460 | 8×20 | 0.28 | 675 | 12.5×20 | 1.10 | 800 | 12.5×30 | 1.25 | 850 |
| 82 | 820 | | 8×16 | 0.17 | 560 | 10×16 | 0.19 | 785 | 12.5×25 | 1.10 | 830 | 16×25 | 1.15 | 860 |
| 100 | 101 | | 8×16 | 0.17 | 580 | 10×20 | 0.13 | 865 | 16×20 | 1.10 | 1120 | 16×25 | 1.15 | 930 |
| | | | 10×12.5 | 0.17 | 570 | 12.5×15 | 0.14 | 845 | 10×50 | 1.10 | 1210 | | | |
| 120 | 121 | | 10×12.5 | 0.17 | 580 | 10×25 | 0.12 | 1050 | 16×25 | 0.91 | 1240 | 16×30 | 1.03 | 1090 |
| 150 | 151 | | 8×20 | 0.12 | 680 | 12.5×20 | 0.085 | 1440 | 16×30 | 0.91 | 1280 | 16×35 | 1.03 | 1125 |
| | | | 10×16 | 0.19 | 705 | | | | 12.5×50 | 0.91 | 1280 | | | |
| 180 | 181 | | 10×16 | 0.19 | 725 | 12.5×25 | 0.066 | 1460 | 16×30 | 0.81 | 1360 | 18×30 | 0.80 | 1340 |
| 220 | 221 | | 10×20 | 0.086 | 1050 | 12.5×25 | 0.066 | 1630 | 18×30 | 0.81 | 1410 | 18×35 | 0.74 | 1420 |
| | | | 12.5×15 | 0.080 | 1020 | | | | | | | | | |
| 270 | 271 | | 10×20 | 0.086 | 1080 | 12.5×30 | 0.056 | 1620 | 18×35 | 0.67 | 1500 | | | |
| | | | 12.5×15 | 0.080 | 1045 | 16×20 | 0.064 | 1650 | | | | | | |
| 330 | 331 | | 10×25 | 0.076 | 1250 | 12.5×35 | 0.047 | 1950 | 18×40 | 0.67 | 1590 | | | |
| | | | 12.5×20 | 0.066 | 1320 | 16×25 | 0.048 | 1920 | | | | | | |
| 390 | 391 | | 12.5×20 | 0.066 | 1350 | 12.5×40 | 0.040 | 2050 | | | | | | |
| 470 | 471 | | 12.5×25 | 0.047 | 1860 | 16×30 | 0.036 | 2010 | | | | | | |
| 560 | 561 | | 12.5×30 | 0.039 | 2050 | 16×35 | 0.032 | 2430 | | | | | | |
| | | | 16×20 | 0.047 | 1980 | 18×30 | 0.034 | 2480 | | | | | | |
| 680 | 681 | | 12.5×35 | 0.036 | 2250 | 16×40 | 0.030 | 2680 | | | | | | |
| | | | 16×25 | 0.035 | 2315 | 18×35 | 0.030 | 2870 | | | | | | |
| 820 | 821 | | 12.5×40 | 0.030 | 2430 | 18×40 | 0.028 | 3250 | | | | | | |
| | | | 16×25 | 0.035 | 2480 | | | | | | | | | |
| 1000 | 102 | | 16×30 | 0.026 | 2620 | | | | | | | | | |
| 1200 | 122 | | 16×30 | 0.026 | 2650 | | | | | | | | | |
| | | | 18×25 | 0.034 | 2610 | | | | | | | | | |
| 1500 | 152 | | 16×35 | 0.023 | 2730 | | | | | | | | | |
| | | | 18×30 | 0.028 | 2780 | | | | | | | | | |
| 1800 | 182 | | 16×40 | 0.021 | 3250 | | | | | | | | | |
| 2200 | 222 | | 18×40 | 0.028 | 3430 | | | | | | | | | |

Size φD×L(mm)
 Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz
 Maximum ESR (Ω) at 20°C 100KHz

SOLID
 CHIP
 MININATURE
 STANDARD
 LOW-ESR
 SWITCH-POWER
 LIGHTING
 SPECIAL
 SNAP-IN
 SCREW



尺寸 Dimensions

| 容量 CR(μF) | 代码 Code | 电压 UR | 250V(2E) | | | 350V(2V) | | | 400V(2G) | | | 450V(2W) | | |
|--------------|------------|----------|----------|-------|--------|----------|-------|--------|----------|-------|--------|----------|-------|--------|
| | | | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple |
| | | | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) | φD×L(mm) | ΩMAX | (mA) |
| 1 | 010 | | | | 6.3×11 | 21.5 | 55 | 6.3×11 | 25.0 | 65 | 6.3×11 | 33.0 | 50 | |
| 1.2 | 1R2 | | | | 6.3×11 | 21.5 | 55 | 6.3×11 | 25.0 | 70 | 6.3×11 | 25.0 | 55 | |
| 1.5 | 1R5 | | | | 6.3×11 | 21.5 | 60 | 6.3×11 | 25.0 | 75 | 8×11.5 | 25.0 | 80 | |
| 1.8 | 1R8 | | | | 6.3×11 | 21.5 | 65 | 6.3×11 | 25.0 | 85 | 8×11.5 | 20.0 | 85 | |
| 2.2 | 2R2 | | 6.3×11 | 10.15 | 80 | 6.3×11 | 21.5 | 70 | 8×11.5 | 20.0 | 90 | 8×16 | 15.72 | 95 |
| 2.7 | 2R7 | | 6.3×11 | 10.15 | 90 | 8×11.5 | 15.72 | 85 | 8×11.5 | 15.72 | 95 | 8×16 | 15.72 | 100 |
| 3.3 | 3R3 | | 6.3×11 | 10.15 | 100 | 8×11.5 | 15.72 | 95 | 8×11.5 | 15.72 | 100 | 8×16 | 15.72 | 110 |
| 3.9 | 3R9 | | 8×11.5 | 10.15 | 110 | 8×11.5 | 15.72 | 100 | 8×11.5 | 15.72 | 105 | 8×16 | 15.72 | 120 |
| 4.7 | 4R7 | | 8×11.5 | 10.15 | 135 | 8×11.5 | 15.72 | 130 | 8×11.5 | 12.00 | 110 | 8×20 | 10.51 | 150 |
| | | | | | | | | | 8×16 | 12.00 | 115 | 10×16 | 10.51 | 150 |
| 5.6 | 5R6 | | 8×11.5 | 9.00 | 150 | 8×16 | 10.51 | 155 | 8×16 | 10.51 | 160 | 8×20 | 7.50 | 180 |
| | | | | | | 10×12.5 | 10.51 | 155 | 10×12.5 | 10.50 | 180 | 10×16 | 7.50 | 180 |
| 6.8 | 6R8 | | 8×11.5 | 6.70 | 160 | 10×12.5 | 10.51 | 170 | 8×20 | 8.70 | 180 | 10×16 | 7.50 | 220 |
| | | | | | | | | | 10×16 | 8.70 | 220 | | | |
| 8.2 | 8R2 | | 8×12 | 3.65 | 170 | 8×20 | 7.50 | 240 | 10×16 | 7.50 | 252 | 10×20 | 6.20 | 265 |
| | | | | | | 10×16 | 7.50 | 240 | | | | | | |
| 10 | 100 | | 8×16 | 3.65 | 250 | 10×16 | 7.50 | 250 | 10×20 | 4.90 | 288 | 10×25 | 6.20 | 305 |
| | | | 10×12.5 | 3.65 | 250 | | | | | | | 12.5×20 | 5.20 | 305 |
| 15 | 150 | | 8×20 | 3.24 | 380 | 10×25 | 6.20 | 340 | 12.5×20 | 4.20 | 400 | 12.5×20 | 5.20 | 400 |
| | | | 10×16 | 3.24 | 390 | 12.5×15 | 6.20 | 340 | | | | 8×50 | 5.20 | 400 |
| 18 | 180 | | 10×16 | 3.24 | 410 | 10×25 | 6.20 | 430 | 12.5×20 | 4.20 | 470 | 12.5×25 | 3.60 | 470 |
| | | | | | | 12.5×20 | 3.10 | 430 | | | | | | |
| 22 | 220 | | 10×20 | 3.24 | 475 | 12.5×20 | 3.10 | 475 | 12.5×25 | 2.25 | 475 | 16×20 | 2.02 | 550 |
| | | | | | | 8×50 | 3.10 | 475 | 8×50 | 2.25 | 475 | 10×40 | 2.02 | 550 |
| 33 | 330 | | 12.5×20 | 1.38 | 570 | 12.5×25 | 2.25 | 570 | 16×25 | 1.70 | 610 | 16×25 | 1.82 | 665 |
| | | | 8×50 | 1.38 | 570 | 10×50 | 2.25 | 570 | 10×50 | 1.70 | 610 | 10×50 | 1.82 | 665 |
| 47 | 470 | | 12.5×25 | 1.38 | 650 | 16×25 | 2.25 | 800 | 18×25 | 1.70 | 795 | 16×35 | 1.38 | 730 |
| | | | | | | | | | | | | 12.5×50 | 1.38 | 730 |
| 56 | 560 | | 12.5×30 | 1.25 | 750 | 16×30 | 2.02 | 840 | 16×30 | 1.70 | 820 | 16×35 | 1.38 | 750 |
| | | | | | | | | | 12.5×50 | 1.70 | 820 | | | |
| 68 | 680 | | 12.5×30 | 1.25 | 870 | 18×25 | 1.38 | 880 | 18×30 | 1.38 | 910 | 18×35 | 1.25 | 970 |
| | | | 10×50 | 1.25 | 870 | 12.5×50 | 1.38 | 880 | | | | | | |
| 82 | 820 | | 16×30 | 1.15 | 910 | 18×30 | 1.38 | 940 | 16×40 | 1.25 | 980 | 18×40 | 0.97 | 1030 |
| | | | | | | | | | 18×35 | 1.25 | 980 | | | |
| 100 | 101 | | 16×30 | 1.18 | 960 | 18×35 | 1.25 | 1120 | 18×40 | 0.97 | 1100 | | | |
| | | | 12.5×50 | 1.18 | 960 | | | | | | | | | |
| 120 | 121 | | 18×30 | 1.02 | 1210 | 18×35 | 1.25 | 1200 | | | | | | |
| 150 | 151 | | 18×30 | 0.98 | 1400 | | | | | | | | | |
| 180 | 181 | | 18×35 | 0.74 | 1540 | | | | | | | | | |
| 220 | 221 | | 18×40 | 0.61 | 1620 | | | | | | | | | |

Size φD×L(mm)
 Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz
 Maximum ESR (Ω) at 20°C 100KHz