

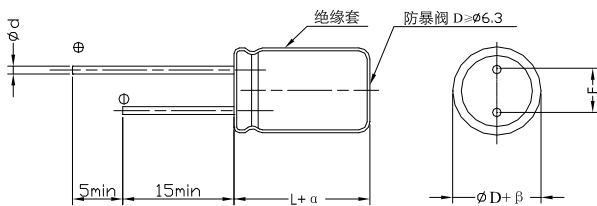
TA

- 钛金属电容器，100KHZ 低阻抗，105℃ 2000 小时。
Titanium capacitor, Low impedance at 100KHZ, Load life: 105℃ 2000hours.
- 符合 RoHS 标准。
RoHS compliant.

| 项目 Item | 特性 Performance Characteristics | | | | | | | | | | | | |
|--|---|-----------|------|------|------|----|----|---------------|------|------|------|------|------|
| 使用温度范围 Operating temperature range | -40 ~ +105℃ | | | | | | | | | | | | |
| 额定电压范围 Rated voltage range | 6.3 ~ 35V | | | | | | | | | | | | |
| 标称电容量范围 Nominal capacitance range | 220~ 2200μF | | | | | | | | | | | | |
| 标称电容量允许偏差 Capacitance tolerance | ± 20% (120Hz, +20℃) | | | | | | | | | | | | |
| 漏电流 Leakage current | $I \leq 0.01CV$ or $3(\mu A)$ 2分钟(at 20℃, after 2 minutes) 取较大者 (whichever is greater) | | | | | | | | | | | | |
| 损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz) | <table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.18</td> <td>0.16</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </tbody> </table> <p>容量大于 1000 μF 者，每增加 1000μF，其损耗角正切值增加 0.02 When nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000μF increase</p> | U_R (V) | 6.3 | 10 | 16 | 25 | 35 | tg δ | 0.18 | 0.16 | 0.12 | 0.10 | 0.08 |
| U_R (V) | 6.3 | 10 | 16 | 25 | 35 | | | | | | | | |
| tg δ | 0.18 | 0.16 | 0.12 | 0.10 | 0.08 | | | | | | | | |
| 温度特性 Temperature characteristics (Impedance ratio at 120Hz) | <table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>Z-40℃ / Z+20℃</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> | U_R (V) | 6.3 | 10 | 16 | 25 | 35 | Z-40℃ / Z+20℃ | 8 | 6 | 4 | 3 | 3 |
| U_R (V) | 6.3 | 10 | 16 | 25 | 35 | | | | | | | | |
| Z-40℃ / Z+20℃ | 8 | 6 | 4 | 3 | 3 | | | | | | | | |
| 耐久性 Load life | <p>+105℃加额定电压 2000 小时，恢复 16 小时后： After applying rated voltage for 2000 hours at +105℃ and then resumed 16 hours:</p> <p>电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤初始规定值 ≤the initial specified value 损耗角正切值 Dissipation factor : ≤2 倍初始规定值数 ≤2times of the initial specified value</p> | | | | | | | | | | | | |
| 高温贮存 Shelf life | <p>+105℃, 1000 小时贮存后, 恢复 16 小时后： After storage for 1000 hours at +105℃ and then resumed for 16 hours</p> <p>电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤2 倍初始规定值 ≤2times of the initial specified value 损耗角正切值 Dissipation factor : ≤2 倍初始规定值数 ≤2times of the initial specified value</p> | | | | | | | | | | | | |

外形图及尺寸表 Case size table

单位Unit: mm



| | | | |
|--------|-----|---------|-----|
| ØD | 6.3 | 8 | 10 |
| F±0.5 | 2.5 | 3.5 | 5.0 |
| d±0.1 | 0.5 | 0.5、0.6 | 0.6 |
| α(max) | 1.5 | | |
| β(max) | 0.5 | | |

频率修正系数 Frequency coefficient

| Freq.(Hz) | 120 | 1K | 10K | 100K |
|-----------|------|------|------|------|
| CAP(μF) | | | | |
| 220~2200 | 0.50 | 0.80 | 0.90 | 1.00 |

尺寸 DIMENSIONS

| WV CAP (μ F) | | 6.3V(0J) | | | 10V(1A) | | | 16V(1C) | | |
|-----------------------|-----|----------|-------|--------|---------|-------|--------|---------|-------|--------|
| | | Size | ESR | Ripple | Size | ESR | Ripple | Size | ESR | Ripple |
| 220 | 221 | | | | | | | 6.3*9 | 0.095 | 558 |
| 270 | 271 | | | | | | | 6.3*9 | 0.092 | 561 |
| 470 | 471 | | | | 6.3*9 | 0.065 | 640 | 6.3*11 | 0.056 | 920 |
| 560 | 561 | 6.3*9 | 0.06 | 665 | 6.3*9 | 0.06 | 665 | 6.3*11 | 0.054 | 925 |
| 680 | 681 | 6.3*9 | 0.058 | 670 | 6.3*11 | 0.05 | 880 | 8*9 | 0.049 | 1285 |
| 1000 | 102 | 6.3*11 | 0.05 | 895 | 8*9 | 0.045 | 1005 | 8*14 | 0.030 | 1545 |
| 2200 | 222 | 10*12.5 | 0.035 | 1800 | 10*12.5 | 0.033 | 1805 | 10*16 | 0.024 | 1905 |

| WV CAP (μ F) | | 25V(1E) | | | 35V(1V) | | |
|-----------------------|-----|---------|-------|--------|---------|-------|--------|
| | | Size | ESR | Ripple | Size | ESR | Ripple |
| 220 | 221 | 6.3*9 | 0.061 | 885 | 8*9 | 0.055 | 915 |
| 270 | 271 | 6.3*11 | 0.059 | 971 | 8*11.5 | 0.048 | 1052 |
| 330 | 331 | 8*9 | 0.056 | 980 | 8*11.5 | 0.042 | 1056 |
| 470 | 471 | 8*11.5 | 0.048 | 1185 | 10*12.5 | 0.029 | 1757 |
| 560 | 561 | 10*12.5 | 0.030 | 1775 | 10*12.5 | 0.027 | 1773 |
| 680 | 681 | 10*12.5 | 0.030 | 1780 | | | |

Size ϕ D×L(mm)

Maximum Allowable Ripple Current (mA rms) at 105°C 100kHz

Maximum ESR (Ω) at 25°C 100kHz