



RVT系列

特长/用途

- 4Φ~18Φ 105°C、2000小时寿命保证
- 适用表面黏着之高密度 PCB 设计
- 符合ROHS指令



RVT

规格表:

| 项目 | 性能 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|------|------|-------------------------|------|------|-----------------|------|------|----------------|------|------|------|---------|----------|-----|----|------|----|----|----------|-----|-----|-----|-----|-----|---------------|---|------|------|------|------|------|------|------|------|------|------|------|--------|---|-----------|------|-----------|------|------|-----------|------|------|------|------|------|------------------|-------------------------|------|-----------------------|-------------------------|---|---|-----------------|---|---|------|---|--|--|--|--|--|----------------------|----|---|---|---|---|---|---|---|---|---|---|----|--|
| 额定电压范围 | 6.3~100V | | | 160~400V | | | | | | 450V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 使用温度范围 | -55°C ~ +105°C | | | -40°C ~ +105°C | | | | | | -20°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 标称电容量允许偏差 | ±20% (120Hz, 20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 标称电容量范围 | 1 μF ~ 2200 μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 (20°C) | <table border="1"> <tr> <td>额定电压</td><td colspan="6">6.3~100V</td><td colspan="6">160~450V</td></tr> <tr> <td>测试时间</td><td colspan="6">2分钟后</td><td colspan="6">5分钟后</td></tr> <tr> <td>制品尺寸</td><td colspan="3">Φ 4~10</td><td colspan="3">Φ 12.5~18</td><td colspan="6">Φ 12.5~18</td></tr> <tr> <td>漏电流</td><td colspan="3">I=0.01CV或3 μA之中任一个较大值以下</td><td colspan="3" rowspan="2">I=0.03CV或4 μA之中任一个较大值以下</td><td colspan="6" rowspan="2">I=0.04CV+100 μA</td></tr> </table> <p>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)</p> | | | | | | | | | | | | | 额定电压 | 6.3~100V | | | | | | 160~450V | | | | | | 测试时间 | 2分钟后 | | | | | | 5分钟后 | | | | | | 制品尺寸 | Φ 4~10 | | | Φ 12.5~18 | | | Φ 12.5~18 | | | | | | 漏电流 | I=0.01CV或3 μA之中任一个较大值以下 | | | I=0.03CV或4 μA之中任一个较大值以下 | | | I=0.04CV+100 μA | | | | | | | | | | | | | | | | | | | | | | | |
| 额定电压 | 6.3~100V | | | | | | 160~450V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 测试时间 | 2分钟后 | | | | | | 5分钟后 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 制品尺寸 | Φ 4~10 | | | Φ 12.5~18 | | | Φ 12.5~18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | I=0.01CV或3 μA之中任一个较大值以下 | | | I=0.03CV或4 μA之中任一个较大值以下 | | | I=0.04CV+100 μA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损耗角正切值 (120Hz, 20°C) | <table border="1"> <tr> <td>额定电压</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>400</td><td>450</td></tr> <tr> <td>Φ 4~10</td><td>0.30</td><td>0.24</td><td>0.20</td><td>0.18</td><td>0.16</td><td>0.14</td><td>0.14</td><td>0.14</td><td>0.22</td><td>0.22</td><td>0.25</td><td>0.25</td><td>0.30</td></tr> <tr> <td>Φ 12.5~18</td><td>0.38</td><td>0.34</td><td>0.30</td><td>0.26</td><td>0.22</td><td>0.14</td><td>0.14</td><td>0.14</td><td>0.22</td><td>0.22</td><td>0.25</td><td>0.25</td><td>0.25</td></tr> </table> <p>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</p> | | | | | | | | | | | | | 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 400 | 450 | Φ 4~10 | 0.30 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.14 | 0.14 | 0.22 | 0.22 | 0.25 | 0.25 | 0.30 | Φ 12.5~18 | 0.38 | 0.34 | 0.30 | 0.26 | 0.22 | 0.14 | 0.14 | 0.14 | 0.22 | 0.22 | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 400 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Φ 4~10 | 0.30 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.14 | 0.14 | 0.22 | 0.22 | 0.25 | 0.25 | 0.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Φ 12.5~18 | 0.38 | 0.34 | 0.30 | 0.26 | 0.22 | 0.14 | 0.14 | 0.14 | 0.22 | 0.22 | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 温度特性 (120 Hz) | <table border="1"> <tr> <td>额定电压</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>400</td><td>450</td></tr> <tr> <td>Z(-25°C) /Z(+20°C)</td><td>4</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>3</td><td>3</td><td>3</td><td>3</td><td>6</td><td>6</td></tr> <tr> <td>阻抗比</td><td>5</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>3</td><td>3</td><td>3</td><td>3</td><td>6</td><td>6</td></tr> <tr> <td>Z(-40°C) /Z(+20°C)</td><td>12</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Φ D<12.5 Φ D≥12.5</td><td>10</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>6</td><td>6</td><td>6</td><td>6</td><td>10</td><td></td></tr> </table> | | | | | | | | | | | | | 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 400 | 450 | Z(-25°C) /Z(+20°C) | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | 阻抗比 | 5 | 4 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | Z(-40°C) /Z(+20°C) | 12 | 8 | 6 | 4 | 3 | 3 | 3 | 4 | | | | | | Φ D<12.5 Φ D≥12.5 | 10 | 8 | 6 | 4 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 10 | |
| 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 400 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-25°C) /Z(+20°C) | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 阻抗比 | 5 | 4 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-40°C) /Z(+20°C) | 12 | 8 | 6 | 4 | 3 | 3 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Φ D<12.5 Φ D≥12.5 | 10 | 8 | 6 | 4 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 | <table border="1"> <tr> <td>保证寿命时间</td><td colspan="11">2,000小时</td><td></td></tr> <tr> <td>静电容量变化率</td><td colspan="11">Φ D≤6.3mm ≤初始值的±25%， Φ D = 8mm ≤初始值的±20%</td><td></td></tr> <tr> <td>损失角正切值</td><td colspan="11">Φ D≤6.3mm ≤初始规格值的300%。 Φ D≥8mm ≤初始规格值的200%</td><td></td></tr> <tr> <td>漏电流</td><td colspan="11">≤初始规格值</td><td></td></tr> </table> | | | | | | | | | | | | | 保证寿命时间 | 2,000小时 | | | | | | | | | | | | 静电容量变化率 | Φ D≤6.3mm ≤初始值的±25%， Φ D = 8mm ≤初始值的±20% | | | | | | | | | | | | 损失角正切值 | Φ D≤6.3mm ≤初始规格值的300%。 Φ D≥8mm ≤初始规格值的200% | | | | | | | | | | | | 漏电流 | ≤初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 保证寿命时间 | 2,000小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量变化率 | Φ D≤6.3mm ≤初始值的±25%， Φ D = 8mm ≤初始值的±20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 | Φ D≤6.3mm ≤初始规格值的300%。 Φ D≥8mm ≤初始规格值的200% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | ≤初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高温无负荷特性 | <p>*于105°C环境中供给额定电压2,000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</p> <p>保证寿命时间1,000小时，其它测试项目同耐久性</p> <p>额定电压160~450V需进行电压补偿后再行测量（依据JIS C 5101-4 4.1规定）</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐寒接热 | <p>在250°C的条件下，电容器在热板上保持30秒，然后从热板上取下电容器，让其在室温下恢复，电容器应满足以下要求</p> <table border="1"> <tr> <td>容量变化率</td><td colspan="11">±10%初始值内</td><td></td></tr> <tr> <td>损耗角正切值</td><td colspan="11">≤初始规定值</td><td></td></tr> <tr> <td>漏电流</td><td colspan="11">≤初始规定值</td><td></td></tr> </table> | | | | | | | | | | | | | 容量变化率 | ±10%初始值内 | | | | | | | | | | | | 损耗角正切值 | ≤初始规定值 | | | | | | | | | | | | 漏电流 | ≤初始规定值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 容量变化率 | ±10%初始值内 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损耗角正切值 | ≤初始规定值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | ≤初始规定值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 纹波电流与频率补正系数 | <table border="1"> <tr> <td>频率 (Hz)</td><td>50</td><td>120</td><td>1K</td><td>10KS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>静电容量 (UF/微法拉)</td><td colspan="3">50</td><td colspan="3">120</td><td colspan="3">1K</td><td colspan="3">10KS</td></tr> <tr> <td>系数</td><td colspan="3">0.80</td><td colspan="3">1.00</td><td colspan="3">1.25</td><td colspan="3">1.40</td></tr> <tr> <td>1,000<静电容量≤8,200</td><td colspan="3">0.85</td><td colspan="3">1.00</td><td colspan="3">1.15</td><td colspan="3">1.25</td></tr> </table> | | | | | | | | | | | | | 频率 (Hz) | 50 | 120 | 1K | 10KS | | | | | | | | | 静电容量 (UF/微法拉) | 50 | | | 120 | | | 1K | | | 10KS | | | 系数 | 0.80 | | | 1.00 | | | 1.25 | | | 1.40 | | | 1,000<静电容量≤8,200 | 0.85 | | | 1.00 | | | 1.15 | | | 1.25 | | | | | | | | | | | | | | | | | | | | |
| 频率 (Hz) | 50 | 120 | 1K | 10KS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量 (UF/微法拉) | 50 | | | 120 | | | 1K | | | 10KS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 系数 | 0.80 | | | 1.00 | | | 1.25 | | | 1.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,000<静电容量≤8,200 | 0.85 | | | 1.00 | | | 1.15 | | | 1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

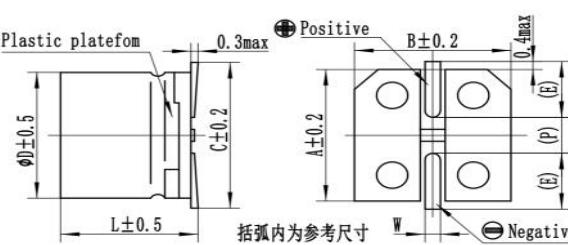
制品各项寸法

单位 毫米

| D | L | A | B | C | W | E ± 0.2 | P ± 0.2 |
|------|------------|------|------|------|---------|---------|---------|
| 4 | 5.4 ± 0.5 | 4.3 | 4.3 | 5.1 | 0.5~0.8 | 1.8 | 1.0 |
| 5 | 5.4 ± 0.5 | 5.3 | 5.3 | 6.1 | 0.5~0.8 | 2.1 | 1.3 |
| 6.3 | 5.4 ± 0.5 | 6.6 | 6.6 | 7.4 | 0.5~0.8 | 2.4 | 2.2 |
| 6.3 | 7.7 ± 0.5 | 6.6 | 6.6 | 7.4 | 0.5~0.8 | 2.4 | 2.2 |
| 8 | 10.2 ± 0.5 | 8.3 | 8.3 | 9.2 | 0.7~1.1 | 2.9 | 3.1 |
| 10 | 10.2 ± 0.5 | 10.3 | 10.3 | 11.2 | 0.7~1.1 | 3.2 | 4.5 |
| 12.5 | 13.5 ± 0.5 | 13.0 | 13.0 | 13.8 | 0.7~1.1 | 4.5 | 4.5 |
| 12.5 | 16 ± 0.5 | 13.0 | 13.0 | 13.8 | 0.7~1.1 | 4.5 | 4.5 |
| 16 | 16.5 ± 0.5 | 17.0 | 17.0 | 18.0 | 1.1~1.4 | 5.6 | 6.5 |
| 16 | 21.5 ± 0.5 | 17.0 | 17.0 | 18.0 | 1.1~1.4 | 5.6 | 6.5 |
| 18 | 16.5 ± 0.5 | 19.0 | 19.0 | 20.0 | 1.1~1.4 | 6.6 | 6.5 |

寸法图

图 1





容强电子

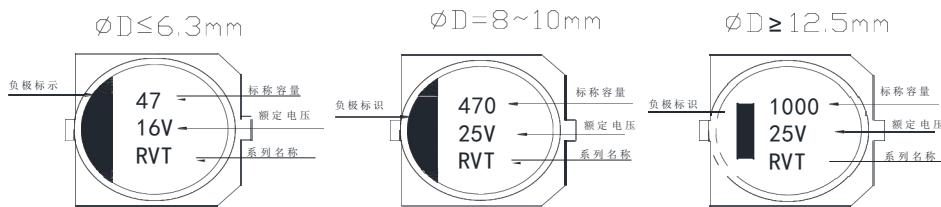
RONGQIANG ELECTRONICS

http://www.roqiang.com

RVT

贴片型铝电解电容器

标示



制品尺寸与允许纹波电流一览表

允许纹波电流毫安/均方根值 (mA/rms) 120赫兹(HZ) 105°C

| | | 6.3V(0J) | | 10V(1A) | | 16V(1C) | | 25V(1E) | | 35V(1V) | | 50V(1H) | | 63V(1J) | |
|------------------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| 额定电压V 内容 | | ΦD×L | mA |
| 1 | 1R0 | | | | | | | | | | | | | 4×5.4 | 8 |
| 2.2 | 2R2 | | | | | | | | | | | | | 4×5.4 | 12 |
| 3.3 | 3R3 | | | | | | | | | | | | | 4×5.4 | 14 |
| 4.7 | 4R7 | | | | | | | 4×5.4 | 17 | 4×5.4 | 17 | | | 4×5.4 | 22 |
| | | | | | | | | 5×5.4 | 20 | | | | | 5×5.4 | |
| 10 | 100 | | | | | 4×5.4 | 22 | 4×5.4 | 20 | 5×5.4 | 27 | | | 6.3×5.4 | 32 |
| | | | | | | | | 5×5.4 | 30 | | | | | 5×5.4 | 17 |
| 22 | 220 | 4×5.4 | 22 | 4×5.4 | 22 | 5×5.4 | 30 | | | 6.3×5.4 | 44 | | | 6.3×5.4 | 38 |
| | | | | | | 4×5.4 | 21 | | | 5×5.4 | 28 | | | 6.3×7.7 | 58 |
| 33 | 330 | 5×5.4 | 34 | 5×5.4 | 34 | 5×5.4 | 34 | 6.3×5.4 | 46 | 6.3×5.4 | 46 | | | 6.3×7.7 | 65 |
| | | | | | | 4×5.4 | 23 | 5×5.4 | 30 | | | | | 8×10.2 | 140 |
| 47 | 470 | 5×5.4 | 38 | 4×5.4 | 28 | 6.3×5.4 | 48 | 6.3×5.4 | 48 | 6.3×5.4 | 56 | | | 6.3×7.7 | 70 |
| | | 4×5.4 | 28 | 5×5.4 | 38 | 5×5.4 | 33 | 6.3×4.5 | 40 | 6.3×4.5 | 45 | | | 6.3×5.8 | 58 |
| 100 | 101 | 6.3×5.4 | 69 | 6.5×5.4 | 69 | 6.3×5.4 | 69 | | | 6.3×7.7 | 100 | 8×10.2 | 240 | 8×10.2 | 146 |
| | | | | | | 6.3×4.5 | 64 | | | | | 6.3×5.4 | 83 | 6.3×7.7 | 114 |
| | | 5×5.4 | 40 | 5×5.4 | 40 | 5×5.4 | 48 | 6.3×5.4 | 80 | 6.3×7.7 | 87 | | | 6.3×7.7 | 130 |
| 220 | 221 | 6.3×7.7 | 120 | 6.3×7.7 | 120 | 6.3×7.7 | 120 | 8×10 | 183 | 8×10.2 | 195 | 10×10.2 | 230 | 12.5×13.5 | 470 |
| | | 6.3×5.4 | 69 | 6.3×5.4 | 90 | 6.3×5.4 | 105 | 6.3×7.7 | 162 | 6.3×7.7 | 185 | | | | |
| | | 6.3×4.5 | 62 | 6.3×4.5 | 78 | | | | | | | | | | |
| 330 | 331 | 6.3×5.4 | 92 | | | 6.3×7.7 | 183 | | | | | | | 10×10.2 | 320 |
| | | 8×10.2 | 290 | 8×10.2 | 290 | | | 8×10.2 | 201 | 8×10.2 | 228 | 10×10.2 | 247 | 12.5×13.5 | 490 |
| | | 6.3×7.7 | 108 | 6.3×7.7 | 108 | | | | | | | | | 16×16.5 | 650 |
| 470 | 471 | 6.3×7.7 | 125 | 6.3×7.7 | 187 | 6.3×7.7 | 198 | 8×10.2 | 210 | 10×10.2 | 286 | | | 12.5×16 | 550 |
| | | 8×10.2 | 214 | 8×10.2 | 214 | 8×10.2 | 240 | 10×10.2 | 286 | 12.5×13.5 | 520 | | | 16×16.5 | 700 |
| | | | | | | 10×10.2 | 380 | | | | | | | | |
| 额定电压V 内容 | | 100V(2A) | | 160V(2C) | | 200V(2D) | | 250V(2E) | | 400V(2G) | | 450V(2W) | | | |
| 静电容量 (uF/微法拉) | | ΦD×L | mA | | |
| 1 | 1R0 | 4×5.4 | 8 | | | | | | | | | | | | |
| 2.2 | 2R2 | 6.3×5.4 | 15 | | | | | | | | | | | | |
| | | 4×5.4 | 10 | | | | | | | | | | | | |
| | | 5×5.4 | 12 | | | | | | | | | | | | |
| 3.3 | 3R3 | | | | | | | | | | | | | | |
| 4.7 | 4R7 | 5×5.4 | 18 | | | | | 12.5×13.5 | 65 | 12.5×13.5 | 45 | 12.5×13.5 | 45 | | |
| | | 6.3×5.4 | 23 | | | | | | | | | | | | |
| 10 | 100 | 6.3×5.4 | 30 | | | 12.5×13.5 | 80 | 12.5×13.5 | 70 | 12.5×13.5 | 50 | 12.5×16.5 | 75 | | |
| | | 6.3×7.7 | 38 | | | | | | | | | | | | |
| 22 | 220 | 6.3×7.7 | 77 | | | 12.5×16 | 110 | 12.5×13.5 | 105 | 16×16.5 | 85 | 16×16.5 | 85 | | |
| | | 8×10 | 100 | | | | | | | | | | | | |
| 33 | 330 | 10×10 | 150 | 12.5×13.5 | 95 | 12.5×16 | 120 | 16×16.5 | 180 | 18×16.5 | 100 | 18×16.5 | 100 | | |
| 47 | 470 | 8×10.2 | 130 | 16×16.5 | 240 | 16×16.5 | 220 | 16×16.5 | 220 | 18×21.5 | 130 | | | | |
| | | 10×10.2 | 148 | | | | | | | | | | | | |
| | | 12.5×13.5 | 250 | | | | | | | | | | | | |
| 100 | 101 | 12.5×13.5 | 380 | 16×16.5 | 250 | 18×16.5 | 280 | 18×21.5 | 290 | | | | | | |
| 220 | 221 | 16×16.5 | 450 | | | | | | | | | | | | |
| 330 | 331 | 18×16.5 | 590 | | | | | | | | | | | | |
| | | 16×21.5 | 750 | | | | | | | | | | | | |
| 470 | 471 | 18×21.5 | 980 | | | | | | | | | | | | |



<http://www.roqang.com>

贴片型铝电解电容器

RVT

制品尺寸与允许纹波电流一览表

尺寸：直径(ΦD) \times 长度(L)，(毫米/mm) 允许纹波电流毫安/均方根值(mA/rms) 120赫兹(HZ) 105°C

产品编码说明

RVT系列 6.3V 470微法拉 ±20% 8×10

RVT | OJ | 471 | M | 0810

系列名 额定电压 额定静电容量 容许误差值 制品尺寸

| | | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| 额定电压(W .V) | 4 | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 | 63 | 80 | 100 |
| 电压代码 | 0G | 0J | 1A | 1C | 1D | 1E | 1V | 1H | 1J | 1K | 2A |
| 额定电压(W .V) | 160 | 180 | 200 | 250 | 315 | 350 | 400 | 420 | 450 | | |
| 电压代码 | 2C | 2S | 2D | 2E | 2F | 2V | 2G | 2P | 2W | | |

| | | | | | | | | | | | | |
|--------|------------------|-----|-------|------------------|---------|------|------------|-----|-------|----------------|--------|-----|
| 标称容量 | 1 | 2.2 | 3.3 | 4.7 | 6.8 | 8.2 | 10 | 22 | 33 | 47 | 100 | 150 |
| 容量代码 | 1R0 | 2R2 | 3R3 | 4R7 | 6R8 | 8R2 | 100 | 220 | 330 | 470 | 101 | 151 |
| 容量允许误差 | $\pm 5\%$ | | | $\pm 10\%$ | | | $\pm 20\%$ | | | $0^{\sim}20\%$ | | |
| 代码 | J | | | K | | | M | | | A | | |
| 尺寸 | 4*5.4 | | 5*5.4 | | 6.3*5.4 | | 6.3*7.7 | | 8*6.5 | | 8*10.2 | |
| 代码 | 0405 | | 0505 | | 0605 | | 0607 | | 0806 | | 0810 | |
| 标称容量 | 220 | 330 | 470 | 680 | 1000 | 1500 | 2200 | | | | | |
| 容量代码 | 221 | 331 | 471 | 681 | 102 | 152 | 222 | | | | | |
| 容量允许误差 | $-10^{\sim}30\%$ | | | $-10^{\sim}20\%$ | | | | | | | | |
| 代码 | Q | | | V | | | | | | | | |
| 尺寸 | 10*10.2 | | 8*12 | | 10*12 | | | | | | | |
| 代码 | 1010 | | 0812 | | 1012 | | | | | | | |



容强电子

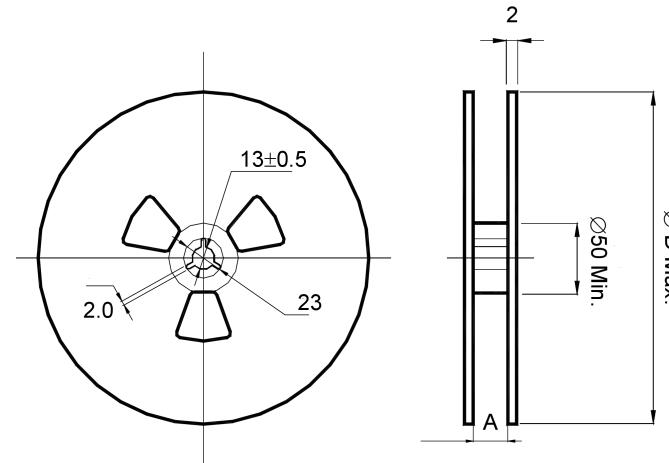
RONGQIANG ELECTRONICS

贴片型铝电解电容器

<http://www.roqiang.com>

RVT

卷筒



包装数量: Package quantity

| 规格 Specification | 卷装数量 Quantity/ Reel | 大箱装数量 Quantity/Ba g | 小箱装数量 Quantity/Bag | A± 0.3 (MM) | D±2 (MM) |
|---------------------|---------------------------|---------------------------|-----------------------|-------------------|-------------|
| Φ 4*5.4 | 2000 pcs | 54000pcs | 24000pcs | 14 | 382 |
| Φ 5*5.4 | 1000 pcs | 27000pcs | 12000pcs | 14 | 382 |
| Φ 6.3*4.5 | 1500 pcs | 22000pcs | 10000pcs | 18 | 382 |
| Φ 6.3*5.4 | 1000 pcs | 22000pcs | 10000pcs | 18 | 382 |
| Φ 6.3*7.7 | 1000 pcs | 22000pcs | 10000pcs | 18 | 382 |
| Φ 8*10.2 | 500 pcs | 7500pcs | 3500pcs | 26 | 382 |
| Φ 10*10.2 | 500 pcs | 7500pcs | 3500pcs | 26 | 382 |
| Φ 12.5*13. 5 | 200 pcs | 2400pcs | 1000pcs | 34 | 332 |
| Φ 16*16.5 | 125pcs | 1125pcs | 500pcs | 46 | 332 |
| Φ 16*16.5 | 150 pcs | 1350 pcs | 600pcs | 46 | 332 |

贴片型铝电解电容器

RVT

无铅回流焊接: Lead-free Reflow Soldering Condition

A. 回流焊条件推荐: Recommended Conditions for Reflow Soldering:

(1) 应采用红外线及热风回流焊接, 不宜采用汽相加热回流焊接;

A thermal condition system such as infrared radiation (IR) or hot blast should be adopted, and vapor heat transfer systems (VPS) are not recommended.

(2) 推荐回流焊只进行一次, 回流焊次数如果需要二次, 必须相隔60分钟以上;

Reflow soldering should be performed one time. If the capacitor has to be reflowed twice, 60 minutes must be layout between each time.

(3) 无铅回流焊, 请符合下述条件:

For lead-free type reflow soldering, please observe proper conditions below:

a) 从150°C至180°C的预热时间<120秒以内;

The time of preheating from 150°C to 180°C shall be within maximum 120 seconds;

b) 电容器顶部温度超过217°C的焊接时间不超过tL时间;

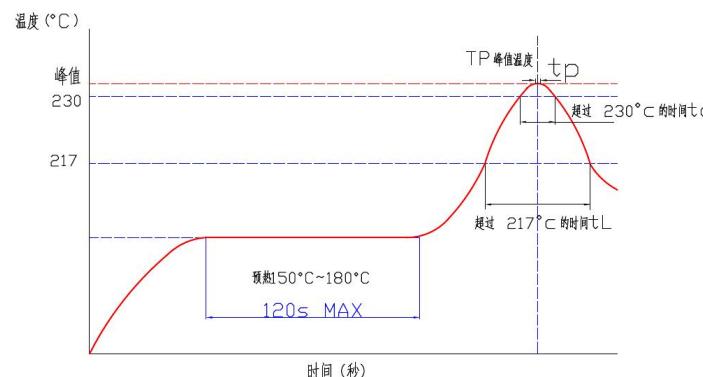
The time of soldering temperature at 217°C measured on capacitors' top shall not exceed tL (second);

c) 电容器顶部温度超过230°C的焊接时间不超过td时间;

The time of soldering temperature at 230°C measured on capacitors' top shall not exceed td (second);

d) 电容器顶部尖峰温度不超过Tp°C, 在5°C范围内的实际尖峰温度时间不超过tp时间

The peak temperature on capacitors' top shall not exceed Tp(°C), and the time within 5°C of actual peak temperature shall not exceed tp (second).



尖峰温度允许范围: Allowable Range of Peak Temperature

| Size | Thickness (mm) | Tp (° C) | tL (second) | td (second) | tp (second) |
|--------------|----------------|----------|-------------|-------------|-------------|
| Ø4~Ø6.3*7.7L | ≥2.5 | 260±0 | ≤60 | ≤20 | ≤5 |
| Ø8*6.5L | ≥2.5 | 240±0 | ≤30 | ≤10 | ≤5 |
| Ø8/10×13.5L | ≥2.5 | 235±0 | ≤40 | ≤10 | ≤5 |
| Ø12.5~Ø16 | ≥3.0 | 230±0 | ≤20 | -- | ≤3 |

表面安装推荐尺寸: Recommended Land Size (Unit: mm)

| 尺寸Size | X | Y | a |
|--------|-----|-----|-----|
| Φ4 | 1.6 | 2.6 | 1.0 |
| Φ5 | 1.6 | 3.0 | 1.4 |
| Φ6.3 | 1.6 | 3.5 | 1.9 |
| Φ8 | 2.5 | 3.5 | 3.0 |
| Φ10 | 2.5 | 4.0 | 4.0 |
| Φ12.5 | 3.0 | 5.7 | 4.0 |
| Φ16 | 3.5 | 6.5 | 6.0 |

