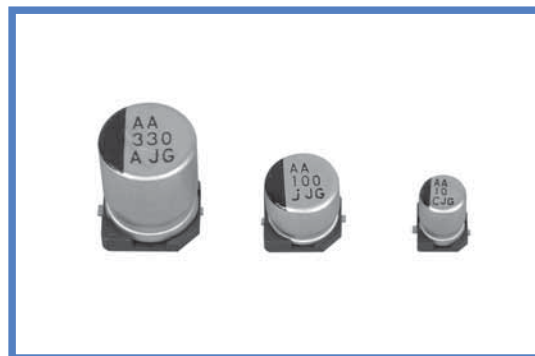


JGV 系列
SERIES

对应高温回流焊接105℃标准品
105℃ Standard, High Temperature Reflow Soldering.

◆ 特 长 / FEATURES

- 105℃、2000小时品。
Load Life : 105℃ 2000 hours.
- 可以进行高温回流焊接。
High Temperature reflow soldering is available.
- 适用于高密度贴片安装。
Available for high density mounting.
- RoHS指令对应品。
RoHS compliance.



◆ 规格表 / SPECIFICATIONS

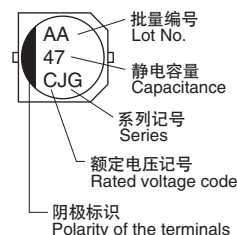
| 项 目 Items | 特 性 Characteristics | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------------------|---|------------------------------|--|--------------------------|---|----|--------------------|------------------|------|------|------|------|------|--------------------|---|----------------|------|------|------|------|------|------|
| 工作温度范围 Category Temperature Range | -55 ~ +105℃ | | | | | | | | | | | | | | | | | | | | | | | |
| 额定电压范围 Rated Voltage Range | 6.3 ~ 50V.DC | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量允许差 Capacitance Tolerance | ±20% (20℃, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | |
| 漏 电 流 Leakage Current(MAX) | 小于 $I=0.01CV$ 和 $3\mu A$ 中的较大值(施加额定电压2分钟后) $I=0.01CV$ or $3\mu A$ whichever is greater. (After 2 minutes application of rated voltage) I = 漏电流 (μA) C = 静电容量 (μF) V = 额定电压 (V) Leakage Current Capacitance Rated Voltage | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 (tan δ) Dissipation Factor(MAX) | <table border="1"> <thead> <tr> <th>额定电压 (V) Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>φ4, φ5, φ6.3×6.1</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> <tr> <td></td> <td>φ6.3×8, φ8-φ10</td> <td>0.35</td> <td>0.26</td> <td>0.24</td> <td>0.18</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table> (20℃, 120Hz) | 额定电压 (V) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | tan δ | φ4, φ5, φ6.3×6.1 | 0.30 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | | φ6.3×8, φ8-φ10 | 0.35 | 0.26 | 0.24 | 0.18 | 0.14 | 0.12 |
| 额定电压 (V) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | | | | | | | | | | | | | | |
| tan δ | φ4, φ5, φ6.3×6.1 | 0.30 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | | | | | | | | | | | | | | | | | |
| | φ6.3×8, φ8-φ10 | 0.35 | 0.26 | 0.24 | 0.18 | 0.14 | 0.12 | | | | | | | | | | | | | | | | | |
| 耐 久 性 Endurance | 在105℃环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载2000小时后, 满足以下各项要求。 After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±25%以内 Within ±25% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏 电 流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </tbody> </table> | 静电容量变化率 Capacitance Change | 初期值的±25%以内 Within ±25% of the initial value. | 损失角正切值 Dissipation Factor | 规格值的200%以下 Not more than 200% of the specified value. | 漏 电 流 Leakage Current | 规格值以下 Not more than the specified value. | | | | | | | | | | | | | | | | | |
| 静电容量变化率 Capacitance Change | 初期值的±25%以内 Within ±25% of the initial value. | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 Dissipation Factor | 规格值的200%以下 Not more than 200% of the specified value. | | | | | | | | | | | | | | | | | | | | | | | |
| 漏 电 流 Leakage Current | 规格值以下 Not more than the specified value. | | | | | | | | | | | | | | | | | | | | | | | |
| 低 温 特 性 Low Temperature Stability (阻 抗 比) Impedance Ratio(MAX) | <table border="1"> <thead> <tr> <th>额定电压 (V) Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z (-25℃) / Z (20℃)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z (-40℃) / Z (20℃)</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> (120Hz) | 额定电压 (V) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | Z (-25℃) / Z (20℃) | 4 | 3 | 2 | 2 | 2 | 2 | Z (-40℃) / Z (20℃) | 8 | 8 | 4 | 4 | 3 | 3 | | |
| 额定电压 (V) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | | | | | | | | | | | | | | |
| Z (-25℃) / Z (20℃) | 4 | 3 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | |
| Z (-40℃) / Z (20℃) | 8 | 8 | 4 | 4 | 3 | 3 | | | | | | | | | | | | | | | | | | |

◆ 纹波电流修正系数 /
MULTIPLIER FOR RIPPLE CURRENT

频率系数 Frequency Coefficient

| 频率 (Hz) Frequency | 60 (50) | 120 | 500 | 1k | 10k ≤ |
|----------------------|---------|------|------|------|-------|
| 0.47 ~ 1μF | 0.50 | 1.00 | 1.20 | 1.30 | 1.50 |
| 2.2 ~ 4.7μF | 0.65 | 1.00 | 1.20 | 1.30 | 1.50 |
| 10 ~ 47μF | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |
| 100 ~ 1000μF | 0.80 | 1.00 | 1.10 | 1.15 | 1.20 |

◆ 标 识 / MARKING



※电压记号 Voltage Code

| | | | | | | |
|------------------------------|-----|----|----|----|----|----|
| 额定电压 (V) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 |
| 额定电压记号 Rated Voltage code | j | A | C | E | V | H |

◆ 产品型号体系 / PART NUMBER

| | | | | | |
|-----------------------|----------------|---------------------|----------------------------------|---------------|-------------------|
| □□□ | JGV | □□□□□ | M | □□□ | D × L |
| 额定电压 Rated Voltage | 系列名称 Series | 静电容量 Capacitance | 静电容量允许差 Capacitance Tolerance | 副记号 Option | 铝壳尺寸 Case Size |

