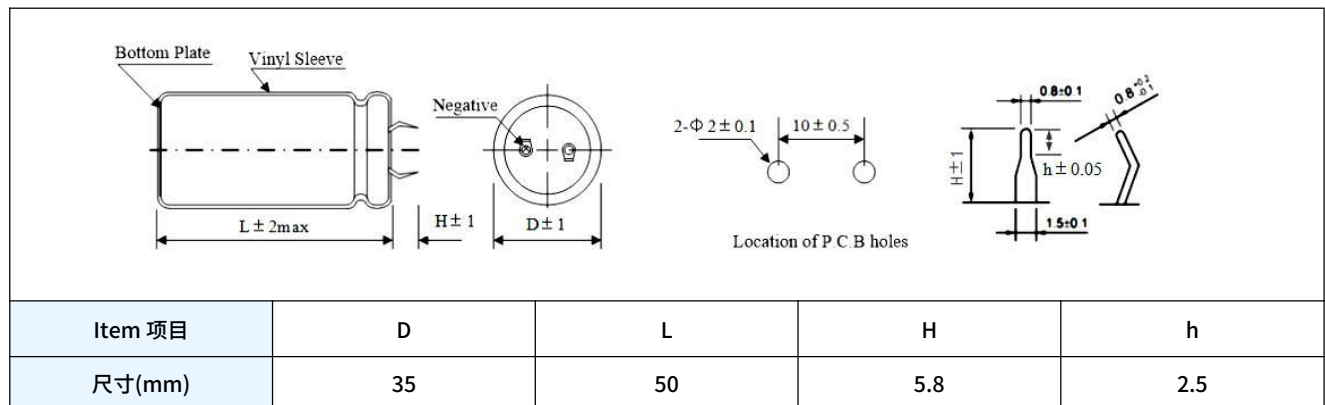


## 1. 外形尺寸图 (Dimensions)



## 2. 规格特性表(Specification and Specifications Table)

| 料号 Part Number              | RXA400V820M35X50 | 备注 Note |
|-----------------------------|------------------|---------|
| 系列 Series                   | RXA              | -       |
| 标称容量 CAP(uF)                | 820              |         |
| 额定电压 WV(V)                  | 400              |         |
| 尺寸 Size DxL(mm)             | 35×50            |         |
| 容差 Tolerance 120Hz          | - 20%~20%        |         |
| 损失角 DF(%)120Hz max          | 15               |         |
| 漏电流 LC(uA)60s max           | 1718.1           |         |
| 阻抗 ESR(Ω)100KHz max         | N/A              |         |
| 纹波电流 R.C(mA)120Hz/105°C max | 2800             |         |
| 浪涌电压 SV(V)                  | 450              |         |
| 寿命 Life(Hrs)                | 2000             |         |
| 套管颜色和材质 Sleeve              | 黑底白字 PET         |         |
| 工作温度 TEMP(°C)               | -40~105          |         |

执行标准(Execution standard) :JISC 5101-4

测试环境(In the test environment) :温度 T 20±2°C , 湿度 RH 65%±5%

## 3. 纹波电流修正系数(Multiplier for Ripple Current)

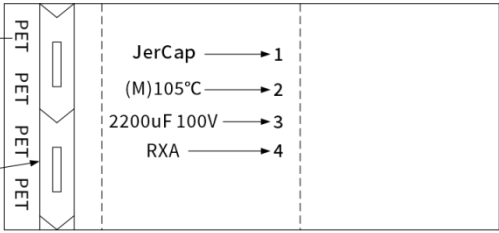
### 3.1 频率系数 Frequency Multipliers

| Freq      | 50Hz/60Hz | 120Hz | 300Hz | 1KHz | 10KHz | 100KHz |
|-----------|-----------|-------|-------|------|-------|--------|
| 6.3V~100V | 0.88      | 1.0   | 1.01  | 1.03 | 1.05  | 1.08   |
| 160V~250V | 0.75      | 1.0   | 1.17  | 1.32 | 1.45  | 1.50   |
| 315V~450V | 0.74      | 1.0   | 1.16  | 1.30 | 1.41  | 1.43   |
| 500V~550V | 0.72      | 1.0   | 1.15  | 1.30 | 1.40  | 1.40   |

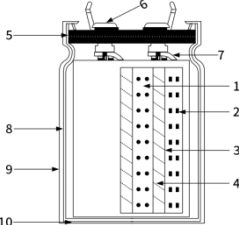
### 3.2 温度系数 Temperature Multipliers

| 温度系数 Temperature Multipliers |      |      |      |      |      |
|------------------------------|------|------|------|------|------|
| Temperatrue(°C)              | ≤45  | 60   | 70   | 85   | 105  |
| Multiplier                   | 1.65 | 1.50 | 1.30 | 1.20 | 1.00 |

4.套管标识示意图 (Marking)

|                                                                                   |                                                                            |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
|  | 1.公司商标(Logo)                                                               |
|                                                                                   | 2. 工作最高温度与容量范围<br>(Operating Temperature Range and Capacitance Tolerance ) |
|                                                                                   | 3.电容器规格(额定电压和容量)<br>Capacitance and Rated Vlotage                          |
|                                                                                   | 4.产品系列(Series)                                                             |
|                                                                                   | 5.胶管材质(Material PET)                                                       |
|                                                                                   | 6.负极表示带 (Polarity bar)                                                     |
|                                                                                   | 7.颜色印字 Sleeve Color :黑底白字                                                  |

5.材料表(Material table)

|  |                    |                                      |
|------------------------------------------------------------------------------------|--------------------|--------------------------------------|
| 序号<br>NO                                                                           | 构成部件<br>Component  | 材质成分<br>Material                     |
| 1                                                                                  | 正极箔<br>Al Foil(+)  | 高纯铝<br>Aluminum 99.99%或 99.98%       |
| 2                                                                                  | 负极箔<br>Al Foil(-)  | 高纯铝<br>Aluminum 99.7%                |
| 3                                                                                  | 电解纸<br>Separator   | 木材纸浆、有机纤维<br>paper puCP、Cellulose    |
| 4                                                                                  | 电解液<br>Electrolyte | 乙二醇+有机酸盐<br>Glycol+organic acid salt |
| 5                                                                                  | 盖板<br>Cover disc   | 粘胶树脂<br>Viscose resin                |
| 6                                                                                  | 铆钉<br>Rivet        | 铝<br>Aluminum                        |
| 7                                                                                  | 导箔条<br>Tab         | 铝<br>Aluminum                        |
| 8                                                                                  | 铝壳<br>Case         | 铝<br>Aluminum                        |
| 9                                                                                  | 套管<br>Sleeve       | 聚对苯二甲酸乙二醇酯<br>PET                    |
| 10                                                                                 | 垫片<br>Bottom disc  | 聚丙烯<br>PP                            |

注:电容产品和构成材料均满足 ROHS2.0、REACH、HF 禁用环境管理物质要求。

## 6.测试与试验项目 (Test item)

| No                 | 项 目 Items                            | 条 件<br>Conditions                                                                                                                                                                                                                                                                                                                                                                                           | 判 定<br>Decide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|--------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|---------|-------------------------------------|------|-----|------|-------------------------------------|------|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|---------|----|-----|-----|---------|--|---------|--|------|------|-----|------|------|--|------|--|
| 1                  | 静电容量<br>Capacitance                  | 测试频率:120Hz±10Hz<br>Test Frequency : 120Hz±10Hz<br>测试电压:≤ 0.5Vrms +1.0V.DC                                                                                                                                                                                                                                                                                                                                   | 1.容量偏差符合 2.规格特性表<br>Tolerance capacitance see the table 2                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 2                  | 耗角正切值<br>Dissipation Factor          | Test Voltage:≤ 0.5Vrms +1.0V.DC<br>测试温度:20±2℃<br>Test Temperature:20±2℃                                                                                                                                                                                                                                                                                                                                     | 2.耗角正切值: Dissipation Factor <table><tr><td>Vote(V)</td><td>63</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td>tanδ</td><td>0.6</td><td>0.55</td><td>0.5</td><td>0.45</td><td>0.4</td><td>0.35</td><td>0.3</td></tr><tr><td>Vote(V)</td><td>80</td><td>100</td><td>120</td><td colspan="2">160~450</td><td colspan="2">500~550</td></tr><tr><td>tanδ</td><td>0.25</td><td>0.2</td><td>0.16</td><td colspan="2">0.15</td><td colspan="2">0.20</td></tr></table> | Vote(V)              | 63                   | 10      | 16                                  | 25   | 35  | 50   | 63                                  | tanδ | 0.6 | 0.55 | 0.5                                                                                                                                                                                               | 0.45 | 0.4 | 0.35 | 0.3 | Vote(V) | 80 | 100 | 120 | 160~450 |  | 500~550 |  | tanδ | 0.25 | 0.2 | 0.16 | 0.15 |  | 0.20 |  |
| Vote(V)            | 63                                   | 10                                                                                                                                                                                                                                                                                                                                                                                                          | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25                   | 35                   | 50      | 63                                  |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| tanδ               | 0.6                                  | 0.55                                                                                                                                                                                                                                                                                                                                                                                                        | 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.45                 | 0.4                  | 0.35    | 0.3                                 |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| Vote(V)            | 80                                   | 100                                                                                                                                                                                                                                                                                                                                                                                                         | 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 160~450              |                      | 500~550 |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| tanδ               | 0.25                                 | 0.2                                                                                                                                                                                                                                                                                                                                                                                                         | 0.16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.15                 |                      | 0.20    |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 3                  | 漏电流<br>Leakage Current               | 测试电压:100 V<br>Test Voltage:100 V<br>充电时间:5 分钟<br>Charging :5min<br>测试温度;20±2℃<br>Test Temperature: 20±2℃                                                                                                                                                                                                                                                                                                    | 漏电流≤3√CV<br>I≤3√CV                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 4                  | 温度循环<br>Temperature Cycle            | <table><tr><td rowspan="6">周期<br/>One<br/>Cycle</td><td>温度<br/>Temperature(℃)</td><td rowspan="2">时间 Time<br/>(minutes)</td></tr><tr><td>低温特性</td></tr><tr><td>Rated low category<br/>temperature±3</td><td>30±3</td></tr><tr><td>25℃</td><td>3max</td></tr><tr><td>Rated low category<br/>temperature±3</td><td>30±3</td></tr><tr><td>25℃</td><td>3max</td></tr></table><br>循环次数 Total number of cycles: 5 | 周期<br>One<br>Cycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 温度<br>Temperature(℃) | 时间 Time<br>(minutes) | 低温特性    | Rated low category<br>temperature±3 | 30±3 | 25℃ | 3max | Rated low category<br>temperature±3 | 30±3 | 25℃ | 3max | 1.外观无损坏<br>No appearance defect.<br>2.容量变化率在±5%以内<br>Capacitance change within ±5%<br>3.损失角小于规格值<br>DF smaller than specification value.<br>4.泄漏电流小于规格值<br>Leakage current smaller than specifica |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 周期<br>One<br>Cycle | 温度<br>Temperature(℃)                 | 时间 Time<br>(minutes)                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|                    | 低温特性                                 |                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|                    | Rated low category<br>temperature±3  | 30±3                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|                    | 25℃                                  | 3max                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|                    | Rated low category<br>temperature±3  | 30±3                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
|                    | 25℃                                  | 3max                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 5                  | 耐焊接热<br>Resistance to Soldering Heat | 预热时间: 120±2 秒<br>Warm up time :120±2 seconds 达到 120±2℃<br>to reach 120±2℃<br>焊锡炉温度: 260±5℃ .<br>Solder bath temperature: 260±5℃ .<br>焊料成分:<br>Solder bath composition:<br>Sn-96.5% , Ag-3.0% , Cu-0.5%<br>浸入深度: 1.5~2.0mm<br>Immersion depth: 1.5 to 2.0mm<br>浸入时间: 10±1 秒<br>Immersion duration: 10±1 seconds                                                                                              | 1.无外观缺陷<br>No appearance defect<br>2.容量变化在±5%以内<br>Capacitance change within ±5%<br>3.损失角小于规定值<br>D.F.smaller than specification value.<br>4.泄漏电流值小于规定值<br>Leakage current smaller than specification value.                                                                                                                                                                                                                                                                                     |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |
| 6                  | 可焊性<br>Solder Ability                | 焊锡炉温度: 235±5℃ .<br>Solder bath temperature: 235±5℃ .<br>焊料成分:<br>Solder bath composition:<br>Sn-96.5% , Ag-3.0% , Cu-0.5%<br>浸入深度: 1.5~2.0mm<br>Immersion depth: 1.5 to 2.0mm<br>浸入时间: 10±1 秒<br>Immersion duration: 10±1 seconds                                                                                                                                                                           | 锡液要覆盖导针浸入表面积的 95%以上<br>A minimum of95% the immersed surface is to be coated with the new solder.                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                      |         |                                     |      |     |      |                                     |      |     |      |                                                                                                                                                                                                   |      |     |      |     |         |    |     |     |         |  |         |  |      |      |     |      |      |  |      |  |

## 6. 测试与试验项目 (Test item)

| No | 项 目<br>Items                                                                       | 条 件<br>Conditions                                                                                                                                                                                                  | 判 定<br>Decide     |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
|----|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| 7  | 低温特性<br>(最大阻抗比)<br>Low<br>Temperature<br>Charcteristics<br>(MaxImpedance<br>Ratio) |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
|    |                                                                                    | 工作电压 working Voltage (v)                                                                                                                                                                                           | 6.3               | 10               | 16                                                                                                                                                                                                                                                                                   | 25  | 35  | 50  | 63  |
|    |                                                                                    | 阻抗 Impedance Z(-40℃)/Z(+20℃)                                                                                                                                                                                       | 8                 | 6                | 4                                                                                                                                                                                                                                                                                    | 3   | 3   | 3   | 3   |
|    |                                                                                    |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
|    |                                                                                    | 工作电压 working Voltage (v)                                                                                                                                                                                           | 160               | 200              | 250                                                                                                                                                                                                                                                                                  | 400 | 420 | 450 | 500 |
|    |                                                                                    | 阻抗 Impedance Z(-25℃)/Z(+20℃)                                                                                                                                                                                       | 3                 | 3                | 4                                                                                                                                                                                                                                                                                    | 6   | 6   | 8   | 8   |
| 8  | 高湿度储存<br>High<br>Humidity<br>storage                                               | 温度：40±2℃<br>Temperature:40±2℃<br>相对湿度：90%至 95%<br>Relative humidity :90 to 95%<br>持续时间：<br>Duration ：240±8 hours                                                                                                   |                   |                  | 1.无电气或机械损坏。<br>No electrical or mechanical damage.<br>2.容量变化率在±15%以内。<br>Capacitance change within ±15%.<br>3.损失角值小于规定值。<br>DF smaller than specification value.<br>4.泄漏电流小于规定值。<br>Leakage current smaller than specification value.                                                |     |     |     |     |
|    |                                                                                    |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
| 9  | 防爆<br>Vent                                                                         | 反向电压试验：电压设定为 100±5V。<br>Reverse voltage test: Voltage set to 100±5V.                                                                                                                                               |                   |                  | 在测试期间或之后，电容器不应发生爆炸、闪光、火焰、火花或火灾，也不应从外壳中喷出任何金属。<br>There shall be no explosion,flash,flame,spark or fire from the capacitor during or after the test,nor shall there be expulsion of any metal from the casing                                                                         |     |     |     |     |
|    |                                                                                    | 电容直径<br>Capacitor<br>diameter                                                                                                                                                                                      | 电 流<br>Current(A) | 时 间<br>Time      |                                                                                                                                                                                                                                                                                      |     |     |     |     |
|    |                                                                                    | More than<br>22.5mm                                                                                                                                                                                                | 10                | 30 分钟内<br>Within |                                                                                                                                                                                                                                                                                      |     |     |     |     |
| 10 | 振动<br>Vibration                                                                    | 频率范围：10 Hz 至 55 Hz<br>Frequency range : 10 Hz to 55 Hz<br>振幅：0.75 毫米<br>Amplitude :0.75 mm<br>总持续时间：3×2h. X-Y-Z 方向各 2 小时<br>Total duration: 3× 2h.<br>x-y-z directions each for 2 hours                            |                   |                  | 1.外观:无明显的损伤或电解液漏出<br>Appearance: No visible damage or leakage of electrolyte.<br>2.电容量变化: 初始值的±5%以内<br>Capacitance change: within ±5% of the initial value.                                                                                                                          |     |     |     |     |
|    |                                                                                    |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
| 11 | 高温负荷<br>Load Life                                                                  | 试验温度：105 ±2℃<br>Test Temp: 105±2℃<br>额定电压：100 V<br>Rated Voltage: 100V<br>试验时间：2000(+72 -0)小时<br>Test Time: 2000(+72 -0)hours<br>在室温放置 16 小时后再测试。<br>Restore them to room temperature for 16 hours before testing. |                   |                  | 1.外观:无明显的损伤或电解液漏出<br>Appearance: No visible damage or leakage of electrolyte.<br>2.电容量变化:初始值的±20%以内。<br>Capacitance change: within ±20% of the initial value.<br>3.损耗角正切: ≤200%规定值<br>tanδ: ≤200% of specified value<br>4.漏电流: ≤规定值<br>Leakage Current: ≤Specified value             |     |     |     |     |
|    |                                                                                    |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |
| 12 | 高温储存<br>Shelf Life                                                                 | 试验温度:105±2℃<br>Test Temp: 105±2℃<br>试验时间:1000 (+72 -0) 小时<br>Test Time: 1000 (+72 -0) hours<br>在室温放置 16 小时后再测试。<br>Restore them to room temperature for 16hours before testing.                                    |                   |                  | 1.外观:无明显的损伤或电解液漏出<br>Appearance: No visible damage or leakage of electrolyte.<br>2.电容量变化:初始值的±20%以内。<br>VCapacitance change: within ±20% of the initial value.<br>3.损耗角正切: ≤200%规定值<br>tgδ: ≤200% of specified value<br>4.漏电流: ≤200%规定值<br>Leakage Current: ≤200% of specified value |     |     |     |     |
|    |                                                                                    |                                                                                                                                                                                                                    |                   |                  |                                                                                                                                                                                                                                                                                      |     |     |     |     |

## 6.测试与试验项目 (Test item)

| No     | 项 目<br>Items         | 条 件<br>Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 判 定<br>Decide |     |     |     |     |     |    |    |     |        |    |    |    |    |    |    |     |     |        |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |                                                                                                                                                                                                                                         |
|--------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|-----|-----|-----|-----|----|----|-----|--------|----|----|----|----|----|----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13     | 浪涌电压<br>Surge Voltag | <p>试验温度: 15~35 °C, Test Temp: 15~35 °C<br/>试验电压: 浪涌电压 Test voltage: surge voltage<br/>施加浪涌电压 30 秒,然后放电 330 秒,<br/>共循环 1000 次.<br/>Charge surge voltage for 30 seconds and discharge for 330 seconds. Repeat this cycle 1000 times.</p> <table><tr><td>UR (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td></tr><tr><td>S.V(V)</td><td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>79</td><td>100</td><td>125</td></tr></table><br><table><tr><td>UR (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td><td>500</td><td>550</td></tr><tr><td>S.V(V)</td><td>200</td><td>250</td><td>300</td><td>400</td><td>450</td><td>500</td><td>550</td><td>600</td></tr></table> | UR (V)        | 10  | 16  | 25  | 35  | 50  | 63 | 80 | 100 | S.V(V) | 13 | 20 | 32 | 44 | 63 | 79 | 100 | 125 | UR (V) | 160 | 200 | 250 | 350 | 400 | 450 | 500 | 550 | S.V(V) | 200 | 250 | 300 | 400 | 450 | 500 | 550 | 600 | <p>1.电容量变化:初始值的±15%以内<br/>Capacitance change: within ± 15% of the initial value.<br/>2.损耗角正切: ≤规定值<br/>Tgδ:≤ Specified value<br/>3.漏电流: ≤规定值<br/>Leakage current:≤Specified value<br/>4.外观: 无可见损伤<br/>Appearance: No visible damage</p> |
| UR (V) | 10                   | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25            | 35  | 50  | 63  | 80  | 100 |    |    |     |        |    |    |    |    |    |    |     |     |        |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |                                                                                                                                                                                                                                         |
| S.V(V) | 13                   | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32            | 44  | 63  | 79  | 100 | 125 |    |    |     |        |    |    |    |    |    |    |     |     |        |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |                                                                                                                                                                                                                                         |
| UR (V) | 160                  | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250           | 350 | 400 | 450 | 500 | 550 |    |    |     |        |    |    |    |    |    |    |     |     |        |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |                                                                                                                                                                                                                                         |
| S.V(V) | 200                  | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300           | 400 | 450 | 500 | 550 | 600 |    |    |     |        |    |    |    |    |    |    |     |     |        |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |                                                                                                                                                                                                                                         |