



REA 系列

特长 / 用途

- 85℃、2,000 ~ 3,000小时寿命保证
- 一般用途之制品
- 符合RoHS指令



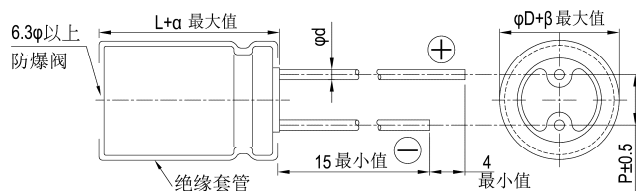
套管与标示颜色：蓝色 / 黑色

规格表

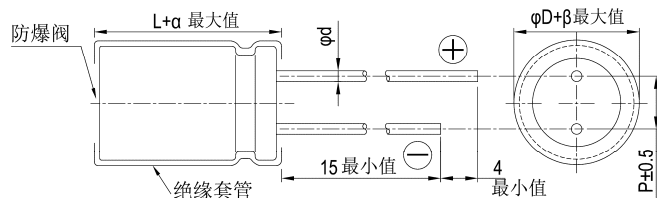
| 项目 | 性能 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|------------|------------|------------------------|------------------------|------|----------------------------------|--|------------|------------|------------------------|------------------------|-----|-----|-----|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 工作温度范围 | -40℃ ~ +85℃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 额定静电容量容许误差值 | ± 20% (120Hz, 20℃) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流(20℃) | 额定电压 | <table border="1"> <tr> <td>≤ 100V</td> <td>> 100V</td> </tr> <tr> <td>测试时间</td> <td>2 分钟后</td> <td>5 分钟后</td> </tr> <tr> <td>漏电流</td> <td>I = 0.01CV 或 3(μA/微安) 中的任一个较大值以下</td> <td> <table border="1"> <tr> <td>CV ≤ 1,000</td> <td>CV > 1,000</td> </tr> <tr> <td>I = 0.03CV + 15(μA/微安)</td> <td>I = 0.02CV + 25(μA/微安)</td> </tr> </table> </td> </tr> </table> | ≤ 100V | > 100V | 测试时间 | 2 分钟后 | 5 分钟后 | 漏电流 | I = 0.01CV 或 3(μA/微安) 中的任一个较大值以下 | <table border="1"> <tr> <td>CV ≤ 1,000</td> <td>CV > 1,000</td> </tr> <tr> <td>I = 0.03CV + 15(μA/微安)</td> <td>I = 0.02CV + 25(μA/微安)</td> </tr> </table> | CV ≤ 1,000 | CV > 1,000 | I = 0.03CV + 15(μA/微安) | I = 0.02CV + 25(μA/微安) | | | | | | | | | | | | | | | | | | |
| | ≤ 100V | > 100V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 测试时间 | 2 分钟后 | 5 分钟后 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CV ≤ 1,000 | CV > 1,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I = 0.03CV + 15(μA/微安) | I = 0.02CV + 25(μA/微安) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值(120 Hz, 20℃) | <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>350</td><td>400</td><td>450</td> </tr> <tr> <td>损失角正切值 (最大值)</td> <td>0.23</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td><td>0.12</td><td>0.14</td><td>0.17</td><td>0.20</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 | 350 | 400 | 450 | 损失角正切值 (最大值) | 0.23 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.12 | 0.14 | 0.17 | 0.20 | 0.25 | 0.25 |
| 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | | | | | | | | | | | | | | | | | | |
| 损失角正切值 (最大值) | 0.23 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.12 | 0.14 | 0.17 | 0.20 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | |
| 温度特性(120Hz) | 阻抗比不可大于下表所列数值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 额定电压 | 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 阻抗比 | Z(-25℃) / Z(+20℃) φD < 16 | 6 4 3 3 2 2 2 2 3 6 8 12 14 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Z(-40℃) / Z(+20℃) φD ≥ 16 | 8 6 4 4 3 3 3 3 4 8 10 16 18 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 | 保证寿命时间 | φD ≤ 8mm: 2,000 小时 φD ≥ 10mm: 3,000 小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 静电容量变化率 | ≤ 初始值的 ± 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 损失角正切值 | ≤ 初始规格值的 200% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 漏电流 | ≤ 初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 于 85℃ 环境中供给容许纹波电流值与额定电压 2,000 / 3,000 小时后，待制品回复至 20℃ 的环境中进行量测时，需满足上列要求。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高温无负荷特性 | 保证寿命时间 | 1,000 小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 静电容量变化率 | ≤ 初始值的 ± 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 损失角正切值 | ≤ 初始规格值的 200% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 漏电流 | ≤ 初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 于 85℃ 环境中不供给额定电压 1,000 小时后，待制品回复至 20℃ 的环境中进行量测时，需满足上列要求。额定电压 160 ~ 450V 需进行电压补偿后再行量测(依据 JIS C 5101-4 4.1 规定)。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 纹波电流与频率修正系数 | 频率(Hz) | 60(50) 120 500 1k 10k ≤ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 静电容量(μF/微法拉) | ≤ 100 100 < 静电容量 ≤ 1,000 1,000 < | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 修正系数 | 0.70 1.00 1.30 1.40 1.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.75 1.00 1.20 1.30 1.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.80 1.00 1.10 1.12 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

引线型

寸法图



制品尺寸如为 12.5x16、16x16、16x20、18x16、18x20、18x25 适用下列制品图:



制品各项寸法

单位：毫米

| | | | | | | | | | |
|----|--------------------------|-----|-----|-----|------|-----|-----|----|------|
| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 | 22 | 25 |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 | 10 | 12.5 |
| φd | 0.5 | | 0.6 | | 0.8 | | 1.0 | | |
| α | L < 20: 1.5, L ≥ 20: 2.0 | | | | | | 2.0 | | |
| β | 0.5 | | | | | | | | |



尺寸: 直径(φD)×长度(L), (毫米/mm)

容许纹波电流: 毫安/均方根值(mA/rms), 120 赫兹(Hz), 85°C

制品尺寸与容许纹波电流一览表

Table with columns for rated voltage (6.3V, 10V, 16V, 25V, 35V, 50V, 63V, 100V) and capacitance values (2.2 to 33,000 μF). Includes dimensions and ripple current specifications.

Table with columns for rated voltage (160V, 200V, 250V, 350V, 400V, 450V) and capacitance values (1 to 470 μF). Includes dimensions and ripple current specifications.

产品编码说明

REA系列 470微法拉 ±20% 16V 长脚 8φ×11.5L 无铅引线与PET套管
REA 471 M 1C BK - 0811
系列 额定静电容容量 容许误差值 额定电压 引线加工/包装型式 胶盖型式 制品尺寸 制品引线及套管材质

注: 如需了解更详细介绍, 请参阅目录第13页"引线型产品编码说明"。