



VEU 系列

特长 / 用途

- 4φ ~ 18φ、105℃、3,000 ~ 5,000 小时寿命保证
- 长寿命保证品
- 适用表面黏着之高密度PCB设计
- 符合RoHS指令



标示颜色: 黑色

规格表

| 项 目 | 性 能 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|--------|---|---------|--------------|--------|----------------------|------|---------|------|------|----------------------|-----------------|------|------|------|------|------|------|------|------|-----------------|----|---|---|---|---|---|---|---|
| 工作温度范围 | -55℃ ~ +105℃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 额定静电容量容许误差值 | ± 20% (120Hz, 20℃) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流(20℃) | I = 0.01CV 或 3(μA/微安)中的任一个较大值以下(2 分钟后) 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(120Hz, 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>80</td> <td>100</td> </tr> <tr> <td>损失角正切值 (最大值)</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> <td>0.09</td> <td>0.08</td> <td>0.07</td> </tr> </table> | 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 损失角正切值 (最大值) | 0.30 | 0.24 | 0.20 | 0.16 | 0.13 | 0.12 | 0.09 | 0.08 | 0.07 | | | | | | | | | |
| 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 (最大值) | 0.30 | 0.24 | 0.20 | 0.16 | 0.13 | 0.12 | 0.09 | 0.08 | 0.07 | | | | | | | | | | | | | | | | | | | | | |
| 温度特性(120Hz) | <p>阻抗比不可大于下表所列数值</p> <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>80</td> <td>100</td> </tr> <tr> <td rowspan="2">阻抗比</td> <td>Z(-25℃)/Z(+20℃)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-55℃)/Z(+20℃)</td> <td>10</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> | 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 阻抗比 | Z(-25℃)/Z(+20℃) | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | Z(-55℃)/Z(+20℃) | 10 | 7 | 5 | 3 | 3 | 3 | 3 | 3 |
| 额定电压 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | | | | | | | | | | | | | | | | | | | | | |
| 阻抗比 | Z(-25℃)/Z(+20℃) | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | Z(-55℃)/Z(+20℃) | 10 | 7 | 5 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 | <table border="1"> <tr> <td>保证寿命时间</td> <td>φD ≤ 10 mm: 3,000 小时; φD ≥ 12.5 mm: 5,000 小时</td> </tr> <tr> <td>静电容量变化率</td> <td>≦ 初始值的 ± 30%</td> </tr> <tr> <td>损失角正切值</td> <td>≦ 初始规格值的 300%</td> </tr> <tr> <td>漏电流</td> <td>≦ 初始规格值</td> </tr> </table> <p>* 于 105℃ 环境中供给额定电压 3,000 / 5,000 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。</p> | 保证寿命时间 | φD ≤ 10 mm: 3,000 小时; φD ≥ 12.5 mm: 5,000 小时 | 静电容量变化率 | ≦ 初始值的 ± 30% | 损失角正切值 | ≦ 初始规格值的 300% | 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | | | | | | | |
| 保证寿命时间 | φD ≤ 10 mm: 3,000 小时; φD ≥ 12.5 mm: 5,000 小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量变化率 | ≦ 初始值的 ± 30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 | ≦ 初始规格值的 300% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高温无负荷特性 | <table border="1"> <tr> <td>保证寿命时间</td> <td>1,000 小时</td> </tr> <tr> <td>静电容量变化率</td> <td>≦ 初始值的 ± 30%</td> </tr> <tr> <td>损失角正切值</td> <td>≦ 初始规格值的 300%</td> </tr> <tr> <td>漏电流</td> <td>≦ 初始规格值</td> </tr> </table> <p>* 于 105℃ 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。</p> | 保证寿命时间 | 1,000 小时 | 静电容量变化率 | ≦ 初始值的 ± 30% | 损失角正切值 | ≦ 初始规格值的 300% | 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | | | | | | | |
| 保证寿命时间 | 1,000 小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量变化率 | ≦ 初始值的 ± 30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 | ≦ 初始规格值的 300% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 纹波电流与频率修正系数 | <table border="1"> <tr> <td>频率(Hz)</td> <td>50</td> <td>120</td> <td>1k</td> <td>10k ≤</td> </tr> <tr> <td>静电容量(μF/微法拉) ≦ 1,000</td> <td>0.70</td> <td>1.00</td> <td>1.30</td> <td>1.40</td> </tr> <tr> <td>1,000 < 静电容量 ≦ 1,500</td> <td>0.85</td> <td>1.00</td> <td>1.13</td> <td>1.15</td> </tr> </table> | 频率(Hz) | 50 | 120 | 1k | 10k ≤ | 静电容量(μF/微法拉) ≦ 1,000 | 0.70 | 1.00 | 1.30 | 1.40 | 1,000 < 静电容量 ≦ 1,500 | 0.85 | 1.00 | 1.13 | 1.15 | | | | | | | | | | | | | | |
| 频率(Hz) | 50 | 120 | 1k | 10k ≤ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量(μF/微法拉) ≦ 1,000 | 0.70 | 1.00 | 1.30 | 1.40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,000 < 静电容量 ≦ 1,500 | 0.85 | 1.00 | 1.13 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | |

寸法图

图 1

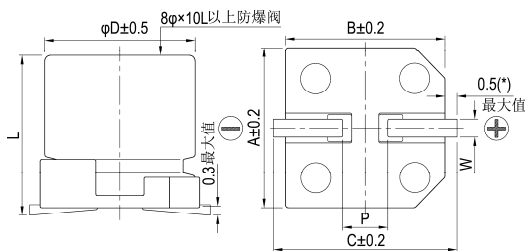
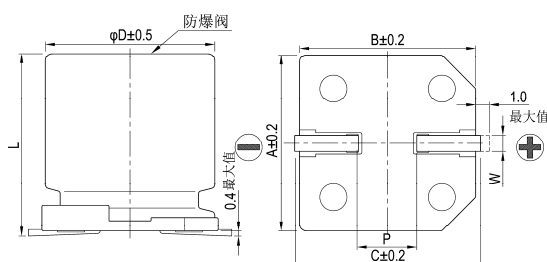


图 2



制品各项寸法

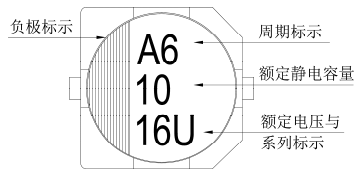
单位: 毫米

| φD | L | A | B | C | W | P ± 0.2 | 图号 |
|------|------------|------|------|------|-----------|---------|----|
| 4 | 5.7 ± 0.3 | 4.3 | 4.3 | 5.1 | 0.5 ~ 0.8 | 1.0 | 1 |
| 5 | 5.7 ± 0.3 | 5.3 | 5.3 | 5.9 | 0.5 ~ 0.8 | 1.5 | 1 |
| 6.3 | 5.7 ± 0.3 | 6.6 | 6.6 | 7.2 | 0.5 ~ 0.8 | 2.0 | 1 |
| 6.3 | 7.7 ± 0.3 | 6.6 | 6.6 | 7.2 | 0.5 ~ 0.8 | 2.0 | 1 |
| 8 | 10 ± 0.5 | 8.3 | 8.3 | 9.0 | 0.7 ~ 1.1 | 3.1 | 1 |
| 10 | 10 ± 0.5 | 10.3 | 10.3 | 11.0 | 0.7 ~ 1.3 | 4.7 | 1 |
| 12.5 | 13.5 ± 0.5 | 13.0 | 13.0 | 13.7 | 1.1 ~ 1.4 | 4.4 | 2 |
| 12.5 | 16 ± 0.5 | 13.0 | 13.0 | 13.7 | 1.1 ~ 1.4 | 4.4 | 2 |
| 16 | 16.5 ± 0.5 | 17.0 | 17.0 | 18.0 | 1.1 ~ 1.4 | 6.4 | 2 |
| 18 | 16.5 ± 0.5 | 19.0 | 19.0 | 20.0 | 1.1 ~ 1.4 | 6.4 | 2 |

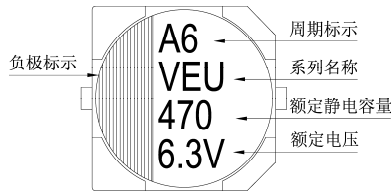
(*): 4 ~ 6.3φ 最大值为 0.4

标示

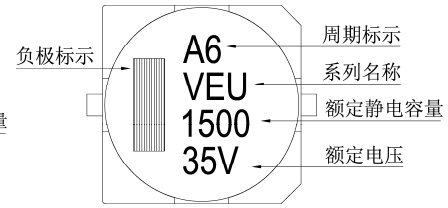
$\phi D \leq 6.3\text{mm}$



$\phi D = 8 \sim 10\text{mm}$



$\phi D \geq 12.5\text{mm}$



尺寸：直径(ϕD) \times 长度(L)，(毫米/mm)

容许纹波电流：毫安/均方根值(mA/rms)，120 赫兹(Hz)，105 $^{\circ}$ C

制品尺寸与容许纹波电流一览表

| 额定电压 V _{DC} | 内容 | 6.3V(0J) | | 10V(1A) | | 16V(1C) | | 25V(1E) | | 35V(1V) | | 50V(1H) | | 63V(1J) | | 80V(1K) | |
|----------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|
| | | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA | $\phi D \times L$ | mA |
| 1 | 010 | | | | | | | | | | | 4x5.7 | 8 | | | | |
| 2.2 | 2R2 | | | | | | | | | | | 4x5.7 | 12 | | | | |
| 3.3 | 3R3 | | | | | | | | | | | 4x5.7 | 17 | | | | |
| 4.7 | 4R7 | | | | | | | | | 4x5.7 | 16 | 5x5.7 | 22 | | | | |
| 10 | 100 | | | | | 4x5.7 | 18 | 5x5.7 | 27 | 5x5.7 | 27 | 6.3x5.7 | 32 | | | | |
| 22 | 220 | 4x5.7 | 22 | 4x5.7 | 30 | 5x5.7 | 30 | 6.3x5.7 | 44 | 6.3x5.7 | 44 | 6.3x7.7 | 58 | | | | |
| 33 | 330 | 5x5.7 | 35 | 5x5.7 | 35 | 6.3x5.7 | 48 | 6.3x5.7 | 50 | 6.3x7.7 | 57 | 8x10 | 130 | | | | |
| 47 | 470 | 5x5.7 | 38 | 6.3x5.7 | 50 | 6.3x5.7 | 50 | 6.3x7.7 | 63 | 8x10 | 92 | 8x10 | 141 | | | | |
| 100 | 101 | 6.3x5.7 | 69 | 6.3x7.7 | 81 | 6.3x7.7 | 81 | 8x10 | 116 | 10x10 | 151 | 10x10 | 310 | | | 12.5x13.5 | 220 |
| 150 | 151 | | | | | | | | | | | | | | | 12.5x13.5 | 240 |
| 220 | 221 | 6.3x7.7 | 120 | 8x10 | 141 | 8x10 | 141 | 10x10 | 290 | 10x10 | 320 | 12.5x13.5 | 280 | 12.5x16 | 320 | 16x16.5 | 410 |
| 330 | 331 | 8x10 | 141 | 10x10 | 290 | 10x10 | 290 | 10x10 | 320 | 12.5x13.5 | 320 | 12.5x16 | 360 | 16x16.5 | 450 | 16x16.5 | 510 |
| 470 | 471 | 10x10 | 320 | 10x10 | 320 | 10x10 | 320 | | | 12.5x16 | 410 | 16x16.5 | 510 | 16x16.5 | 540 | 18x16.5 | 650 |
| 1,000 | 102 | 10x10 | 410 | | | | | | | 16x16.5 | 690 | 18x16.5 | 780 | | | | |
| 1,500 | 152 | | | | | | | | | 18x16.5 | 900 | | | | | | |

| 额定电压 V _{DC} | 内容 | 100V(2A) | |
|----------------------|-----|-------------------|-----|
| | | $\phi D \times L$ | mA |
| 68 | 680 | 12.5x13.5 | 180 |
| 100 | 101 | 12.5x16 | 240 |
| 150 | 151 | 16x16.5 | 340 |
| 220 | 221 | 16x16.5 | 410 |
| 330 | 331 | 18x16.5 | 540 |

产品编码说明

VEU系列 470微法拉 $\pm 20\%$ 6.3V 编带 10 ϕ ×10L 无铅引线与PET镀膜铝壳

VEU **471** **M** **0J** **TR** - **1010**

系列名 额定静电容量 额定静电容量容许误差值 额定电压 包装型式 端子型式 制品尺寸 制品引线与铝壳镀膜材质

注：如需了解更详细介绍，请参阅目录第15页“贴片型产品编码说明”。

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Aluminium Electrolytic Capacitors - SMD category](#):

Click to view products by [Lelon manufacturer](#):

Other Similar products are found below :

[GA0402A270FXBAC31G](#) [RVB-50V330MG10UQ-R](#) [RVJ-50V101MH10U-R](#) [RVZ-35V151MH10U-R2](#) [RC0J226M04005VR](#)
[RC0J476M05005VR](#) [RC1A227M08010VR](#) [RC1C226M05005VR](#) [RC1C476M6L005VR](#) [RC1E107M6L07KVR](#) [RC1E336M6L005VR](#)
[RC1H106M6L005VR](#) [RC1H475M05005VR](#) [RC1V227M10010VR](#) [RC1V476M6L006VR](#) [50SEV1M4X5.5](#) [TYEH1A336E55MTR](#)
[TYEH1H106F55MTR](#) [TYEH1V106E55MTR](#) [35SEV47M6.3X8](#) [35SGV220M10X10.5](#) [VES2R2M1HTR-0405](#) [VZH102M1ATR-1010](#)
[50SEV10M6.3X5.5](#) [50SGV1M4X6.1](#) [SC1C476M05005VR](#) [SC1E107M0806BVR](#) [SC1E227M08010VR](#) [SC1H106M05005VR](#)
[SC1H106M6L005VR](#) [SC1H227M10010VR](#) [SC1H335M04005VR](#) [CE4.7/50-SMD](#) [VEJ4R7M1VTR-0406](#) [VZH331M1ETR-0810](#)
[VES101M1CTR-0605](#) [TYEH1H475E55MTR](#) [6.3SEV22M4X5.5](#) [6.3SEV47M4X5.5](#) [EEEFK1H151GP](#) [EEEFK1A681GP](#) [EEE0GA471XP](#)
[EEEFK1V151GP](#) [RC1V107M6L07KVR](#) [VZH101M1VTR-0810](#) [VE010M1HTR-0405](#) [GYA1V151MCQ1GS](#) [EEH-ZC1J680P](#) [EEH-](#)
[ZK1V181P](#) [GYA1V271MCQ1GS](#)