

UP

特点 Features

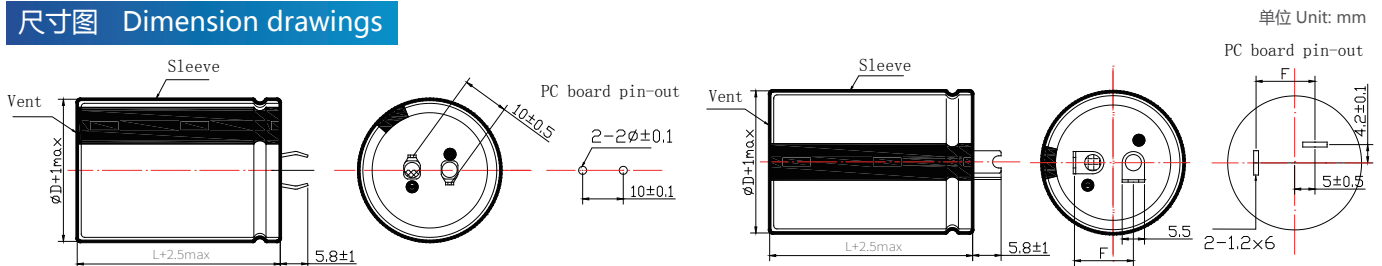
- 105°C 2000H. 105°C 2000 hours.
- 电压范围：400V~450V。Voltage range：400V~450V.
- 高纹波，小型化。High R.C, Miniaturized.
- 满足RoHS要求。RoHS compliant.



主要技术性能 Specifications

| 项目 Items | 特性 Performance Characteristics | |
|--|--|-------------|
| 使用温度范围 Operating Temperature Range | -25~+105°C | |
| 额定电压范围 Rated Voltage Range(U _R) | 400~450V | |
| 标称电容范围 Nominal Capacitance Range(C _R) | 120~1000µF | 120Hz,+20°C |
| 标称电容允许偏差 Capacitance Tolerance(C _r) | ±20% (M) | 120Hz,+20°C |
| 漏电流 Leakage Current(I _l) | ≤0.01C _R U _R 或3.0mA取较小值 | |
| 损耗角正切值 Tangent of loss angle(Tanδ) | U _R (V) | 400~450V |
| | Tanδ | 0.2 |
| 低温特性 Characteristics at low temperature | U _R (V) | 400~450V |
| | Z _{-25°C} /Z _{+20°C} | 8 |
| 耐久性 Load life | +105°C, 施加含额定纹波电流的额定电压2000小时, 恢复16小时后: After applying rated voltage with specified ripple current for 2000 hours at +105°C and then resumed for 16 hours: 电容变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value | |
| 高温贮存 Shelf Life | +105°C, 1000小时贮存后, 加额定工作电压处理60分钟, 恢复16小时后: After storage for 1000 hours at +105°C, U _R to be applied for 60 minutes and then resumed for 16 hours: 电容变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value | |

尺寸图 Dimension drawings



频率修正系数 Frequency Coefficient

| Frequency (Hz) | 50 | 120 | 1K | 10K | ≥50K |
|--------------------|------|------|------|------|------|
| U _R (V) | | | | | |
| 400~450 | 0.77 | 1.00 | 1.30 | 1.41 | 1.43 |

规格特性表
Table of Specifications and Characteristics

| C _r (μF) | U _r (V) | 400V | | | | | | | | | | | |
|---------------------|--------------------|---------------|---|--|---------------|---|--|---------------|---|--|---------------|---|--|
| | | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A |
| 150 | | 22×25 | 2212 | 0.91 | | | | | | | | | |
| 180 | | 22×30 | 1843 | 1.04 | | | | | | | | | |
| 220 | | 22×35 | 1508 | 1.18 | 25×25 | 1508 | 1.15 | | | | | | |
| 270 | | 22×40 | 1229 | 1.32 | 25×30 | 1229 | 1.31 | | | | | | |
| 330 | | 22×45 | 1005 | 1.50 | 25×35 | 1005 | 1.51 | | | | | | |
| 390 | | 22×50 | 851 | 1.67 | 25×40 | 851 | 1.67 | 30×30 | 851 | 1.61 | 35×25 | 851 | 1.40 |
| 470 | | | | | 25×45 | 706 | 1.87 | 30×35 | 706 | 1.81 | 35×30 | 706 | 1.80 |
| 560 | | | | | | | | 30×40 | 592 | 2.03 | 35×30 | 592 | 1.95 |
| 680 | | | | | | | | 30×50 | 488 | 2.29 | 35×35 | 488 | 2.13 |
| 820 | | | | | | | | | | | 35×40 | 405 | 2.30 |
| 1000 | | | | | | | | | | | 35×50 | 332 | 2.79 |

| C _r (μF) | U _r (V) | 420V | | | | | | | | | | | |
|---------------------|--------------------|---------------|---|--|---------------|---|--|---------------|---|--|---------------|---|--|
| | | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A |
| 150 | | 22×30 | 2212 | 0.91 | | | | | | | | | |
| 180 | | 22×35 | 1843 | 1.01 | 25×25 | 1843 | 1.02 | | | | | | |
| 220 | | 22×40 | 1508 | 1.15 | 25×30 | 1508 | 1.16 | | | | | | |
| 270 | | 22×45 | 1229 | 1.30 | 25×35 | 1229 | 1.34 | 30×25 | 1229 | 1.28 | | | |
| 330 | | 22×50 | 1005 | 1.53 | 25×40 | 1005 | 1.51 | 30×30 | 1005 | 1.43 | 35×25 | 1005 | 1.28 |
| 390 | | | | | 25×45 | 851 | 1.67 | 30×35 | 851 | 1.59 | 35×30 | 851 | 1.58 |
| 470 | | | | | | | | 30×40 | 706 | 1.79 | 35×30 | 706 | 1.67 |
| 560 | | | | | | | | 30×45 | 592 | 2.01 | 35×35 | 592 | 1.85 |
| 680 | | | | | | | | | | | 35×40 | 488 | 2.11 |

| C _r (μF) | U _r (V) | 450V | | | | | | | | | | | |
|---------------------|--------------------|---------------|---|--|---------------|---|--|---------------|---|--|---------------|---|--|
| | | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A | ΦD×L mm×mm | ESR _{max} 120Hz 25°C mΩ | I _{AC,max} 120Hz 105°C A |
| 120 | | 22×25 | 2765 | 0.78 | | | | | | | | | |
| 150 | | 22×30 | 2212 | 0.91 | 25×25 | 2212 | 0.93 | | | | | | |
| 180 | | 22×35 | 1843 | 1.02 | 25×30 | 1843 | 1.05 | | | | | | |
| 220 | | 22×40 | 1508 | 1.15 | 25×35 | 1508 | 1.21 | 30×25 | 1508 | 1.15 | | | |
| 270 | | 22×50 | 1229 | 1.38 | 25×40 | 1229 | 1.36 | 30×30 | 1229 | 1.29 | | | |
| 330 | | | | | 25×45 | 1005 | 1.55 | 30×35 | 1005 | 1.46 | | | |
| 390 | | | | | 25×50 | 851 | 1.70 | 30×40 | 851 | 1.63 | 35×30 | 851 | 1.52 |
| 470 | | | | | | | | 30×45 | 706 | 1.85 | 35×35 | 706 | 1.77 |
| 560 | | | | | | | | 30×50 | 592 | 2.05 | 35×40 | 592 | 2.02 |
| 680 | | | | | | | | | | | 35×45 | 488 | 2.20 |
| 820 | | | | | | | | | | | 35×50 | 405 | 2.50 |

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW