

ALUMINUM ELECTROLYTIC CAPACITORS

LLA 臥式 85°C 低漏電 Axial Leads, Low leakage current 85°C Series

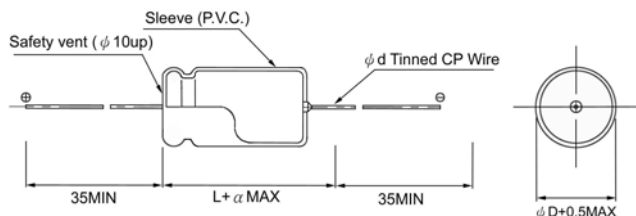
- 具極佳之洩漏電流特性, 適於時間迴路或高信賴性產品
- 產品壽命保證 2,000 小時 / 85°C
- Low leakage current for timing or high reliability products required
- Life guaranteed 2,000 hrs./85°C



• Specifications

| Item | Performance Characteristics | | | | | |
|--|---|---|------|------|------|------|
| Operating Temperature range 使用溫度範圍 | -40 + 85°C | | | | | |
| Rated Voltage 額定電壓 | 10V ~ 50V | | | | | |
| Capacitance Range 容量範圍 | 0.47 ~ 1,000 μF | | | | | |
| Capacitance Tolerance 靜電容量容許差 | ±20% (120Hz, 20°C) | | | | | |
| Leakage Current 洩漏電流 | I ≤ 0.002CV or 0.4 μA, whichever is greater after 2 minutes application of rated voltage. | | | | | |
| Dissipation Factor 散逸因素 (120Hz, 20°C) | Rated voltage (V) | 10 | 16 | 25 | 35 | 50 |
| | Tan δ (max.) | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 |
| Temperature Characteristics 溫度特性 (120Hz) | Impedance Ratio / Stability at Low Temperature | | | | | |
| | Rated voltage (V) | 10 | 16 | 25 | 35 | 50 |
| | Z (-25°C) / Z (20°C) | 3 | 2 | 2 | 2 | 2 |
| Load Life 高溫度尚特性 | After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below. | | | | | |
| | Capacitance change | Within ±20% of initial value | | | | |
| | Tan δ | 200% or less of initial specified value | | | | |
| Shelf Life 擺置壽命 | Leakage current | | | | | |
| | Initial specified value or less | | | | | |
| After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 4.4, they shall meet the specified value as load life characteristics listed above. | | | | | | |

• Dimension



| Dφ | 5 | 6.3 | 8 | 10 | 13 |
|----|-----|-----|---|-----|----|
| φd | 0.6 | | | 0.6 | |
| α | 1.5 | | | 1.5 | |

• Size & ripple current

Unit: DxL(mm)

| WV(SV) Cap(μF) | 10 (13) | | 16 (20) | | 25 (32) | | 35 (44) | | 50 (63) | |
|-------------------|------------|-----|------------|-----|------------|-----|------------|-----|------------|--------|
| 0.47 | | | | | | | | | 5 x 13 | 5 |
| 1 | | | | | | | | | 5 x 13 | 10 |
| 2.2 | | | | | | | | | 5 x 13 | 23 |
| 3.3 | | | | | | | | | 5 x 13 | 30 |
| 4.7 | | | | | | | | | 5 x 13 | 35 |
| 6.8 | | | | | | | | | 5 x 13 | 45 |
| 10 | | | | | | | 5 x 13 | 50 | 6.3 x 13 | 55 |
| 15 | | | | | 5 x 13 | 55 | 6.3 x 13 | 65 | 6.3 x 13 | 70 |
| 22 | | | 5 x 13 | 60 | 6.3 x 13 | 70 | 6.3 x 13 | 80 | 6.3 x 16 | 95 |
| 33 | 5 x 13 | 65 | 6.3 x 13 | 80 | 6.3 x 13 | 90 | 6.3 x 16 | 105 | 8 x 16 | 130 |
| 47 | 6.3 x 13 | 90 | 6.3 x 13 | 100 | 6.3 x 16 | 120 | 8 x 16 | 140 | 8 x 16 | 155 |
| 68 | 6.3 x 13 | 105 | 6.3 x 16 | 130 | 8 x 16 | 155 | 8 x 16 | 170 | 8 x 20 | 205 |
| 100 | 6.3 x 16 | 145 | 8 x 16 | 180 | 8 x 16 | 190 | 8 x 20 | 230 | 10 x 21 | 280 |
| 150 | 8 x 16 | 195 | 8 x 16 | 220 | 8 x 20 | 260 | 10 x 21 | 310 | 10 x 26 | 380 |
| 220 | 8 x 16 | 235 | 8 x 20 | 295 | 10 x 21 | 350 | 10 x 26 | 420 | 13 x 26 | 500 |
| 330 | 8 x 20 | 320 | 10 x 21 | 400 | 10 x 26 | 470 | 13 x 26 | 560 | 13 x 31 | 660 |
| 470 | 10 x 21 | 430 | 10 x 26 | 530 | 13 x 26 | 620 | 13 x 31 | 720 | | |
| 680 | 10 x 26 | 570 | 13 x 26 | 700 | | | | | | |
| 1000 | 13 x 26 | 760 | | | | | | | Case Size | ripple |

Ripple (mA) at 85°C 120Hz