

### ALUMINUM ELECTROLYTIC CAPACITORS

# SLR

7mm 高度 立式 85°C 小型化低漏電流品  
7mm Height, 85°C Low Leakage Current

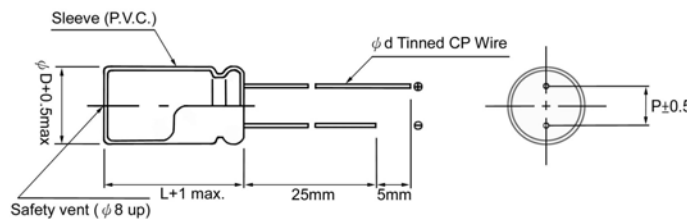
- 高度 7mm 小型品, 具有低漏電流之特性
- 產品壽命保證 2,000 小時 / 85°C
- Low leakage current series with 7mm height
- Life guaranteed 2,000 hrs./85°C.



#### • Specifications

| Item                                     | Performance Characteristics  |   |      |      |      |      |      |
|--|--|---|------|------|------|------|------|
| Operating Temperature range 使用溫度範圍       | -40 + 85°C   |   |      |      |      |      |      |
| Rated Voltage 額定電壓                       | 6.3V ~ 50V   |   |      |      |      |      |      |
| Capacitance Range 容量範圍                   | 0.1 ~ 220 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)  | 6.3                                     | 10   | 16   | 25   | 35   | 50   |
|  | Tan δ (max.)   | 0.24                                    | 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)  | 6.3                                     | 10   | 16   | 25   | 35   | 50   |
|  | Z (-25°C) / Z (20°C)   | 4                                       | 3    | 2    | 2    | 2    | 2    |
|  | Z (-40°C) / Z (20°C)   | 8                                       | 6    | 4    | 4    | 3    | 3    |
| Load Life 高溫負荷特性                         | 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 |      |      |      |      |      |
|  | Leakage current  | Initial specified value or less         |      |      |      |      |      |
| Shelf Life 擺置壽命                          | After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they shall meet the specified value as load life characteristics listed above. |   |      |      |      |      |      |

#### • Dimension



| D φ | 4    | 5    | 6    | 8   |
|-----|------|------|------|-----|
| P   | 1.5  | 2.0  | 2.5  | 3.5 |
| φd  | 0.45 | 0.45 | 0.45 | 0.5 |

#### • Size & ripple current

Unit: DxL(mm)

| WV(SV)  | 6.3 (10) |     | 10 (13) |    | 16 (20) |     | 25 (32) |    | 35 (44) |    | 50 (63)   |        |
|---------|----------|-----|---------|----|---------|-----|---------|----|---------|----|-----------|--------|
| Cap(μF) |          |     |         |    |         |     |         |    |         |    |           |        |
| 0.1     |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 1      |
| 0.22    |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 2.3    |
| 0.33    |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 3.5    |
| 0.47    |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 5      |
| 1       |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 10     |
| 2.2     |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 19     |
| 3.3     |          |     |         |    |         |     |         |    |         |    | 4 x 7     | 24     |
| 4.7     |          |     |         |    |         |     |         |    | 4 x 7   | 24 | 5 x 7     | 29     |
| 10      |          |     |         |    | 4 x 7   | 29  | 5 x 7   | 33 | 5 x 7   | 36 | 6.3 x 7   | 44     |
| 22      | 4 x 7    | 34  | 5 x 7   | 38 | 5 x 7   | 44  | 6.3 x 7 | 51 | 6.3 x 7 | 57 | 8 x 7     | 65     |
| 33      | 5 x 7    | 42  | 5 x 7   | 47 | 6.3 x 7 | 57  | 6.3 x 7 | 63 | 8 x 7   | 72 |           |        |
| 47      | 5 x 7    | 50  | 6.3 x 7 | 59 | 6.3 x 7 | 68  | 8 x 7   | 78 |         |    |           |        |
| 100     | 6.3 x 7  | 77  | 8 x 7   | 96 | 8 x 7   | 107 |         |    |         |    |           |        |
| 220     | 8 x 7    | 130 |         |    |         |     |         |    |         |    | Case Size | ripple |

Ripple (mA) at 85°C 120Hz