

PSL SERIES

85°C, Screw terminal type

Features

- 85°C, Screw terminal
- Large allowable ripple current
- High reliability continuous operation
- Load life of 20,000 hours at 85°C

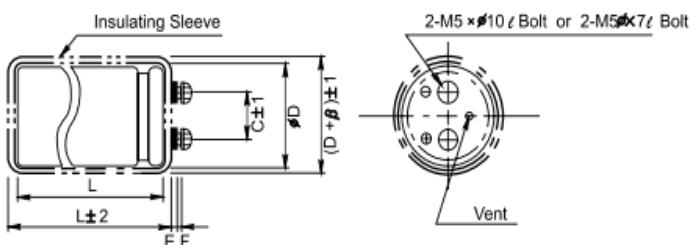
**Specifications**

PI

PSL

Long Life

| Item | Performance Characteristics | | | |
|---|---|---|--|--|
| Operating temperature range | -25°C ~ +85°C | | | |
| Rated working voltage range | 400V | | | |
| Nominal capacitance range | 4,700 μ F ~ 8,200 μ F, $\pm 20\%$ (at 20°C, 120Hz) | | | |
| D.C Leakage current(at 20°C) | The following specifications shall be satisfied when the rated voltage is applied for the required time | Where I = Leakage current(μ A) C = Nominal capacitance(μ F) V = Rated voltage (V) | I \leq 0.02CV or 5mA (5min), whichever is smaller. | |
| Tan δ (max., at 20°C, 120Hz) | W.V | | | |
| | Tan δ | | 0.15 | |
| Characteristics at low temperature(max.) (impedance ratio at 120Hz) | W.V(V) | 400 | 8 | |
| Z-25°C/Z+20°C | | | | |
| Load life | After applying rated working voltage for 20,000 hours at +85°C and then listed being stabilized at +20°C, capacitors shall meet following limits. | | | |
| | Capacitance change | Within $\pm 30\%$ of the initial measured value | | |
| | Tan δ | $\leq 300\%$ of the initial specified value | | |
| | Leakage current | \leq The initial specified value | | |
| Shelf life | After storage for 1,000hours at + 85°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits. | | | |
| | Capacitance change | Within $\pm 20\%$ of the initial measured value | | |
| | Tan δ | $\leq 300\%$ of the initial specified value | | |
| | Leakage current | \leq The initial specified value | | |

Dimensions

| Φ D | C | E | F | β |
|----------|------|-----|-----|---------|
| 35 | 12.7 | 2.5 | 6.0 | 1.0 |
| 51 | 22.0 | 2.5 | 6.0 | 1.5 |
| 63.5 | 28.6 | 2.5 | 6.0 | 1.5 |
| 76 | 31.0 | 1.5 | 6.5 | 1.5 |
| 89 | 0.5 | 1.5 | 6.5 | 1.5 |

Ripple current coefficient**Frequency**

| W.V(V) | Freq(Hz) | 50 | 120 | 1K | 10K | 100K |
|--------|----------|-----|-----|-----|-----|------|
| 400 | | 0.8 | 1.0 | 1.2 | 1.3 | 1.4 |

Dimensions & Ripple current

| μ F | V | 400 |
|---------|---|-----------------|
| 4,700 | | 76 x 110 5.8 |
| 5,600 | | 76 x 130 6.7 |
| 6,800 | | 76 x 150 7.8 |
| 8,200 | | 76 x 150 9.0 |

Case size : Φ D x L(mm)
Maximum permissible ripple current [A(rms) at 85°C, 120Hz]