



Snap-in Terminal Type

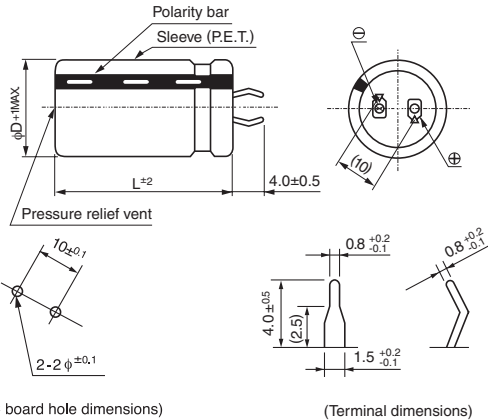
- Excellent in voltage holding property.
- Suitable for quick charge and discharge.
- Wide temperature range (−25°C to +60°C).
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



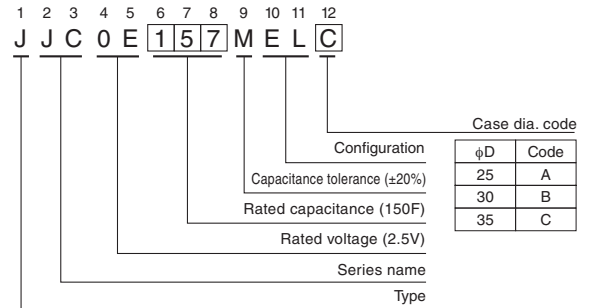
Specifications

| Item | Performance Characteristics | |
|------------------------------|--|---|
| Category Temperature Range | −25 to +60°C | |
| Rated Voltage Range | 2.5V | |
| Rated Capacitance Range | 56 to 200F See Note | |
| Capacitance Tolerance | ±20% (20°C) | |
| Stability at Low Temperature | Capacitance (−25°C) / Capacitance (+20°C) ×100 ≥ 70% ESR (−25°C) / ESR (+20°C) ≤ 7 | |
| ESR, DCR* | Refer to the table below (20°C). *DC internal resistance | |
| Endurance | Capacitance change | Within ±30% of the initial capacitance value |
| | ESR | 300% or less than the initial specified value |
| Shelf Life | Capacitance change | Within ±30% of the initial capacitance value |
| | ESR | 300% or less than the initial specified value |
| Humidity Endurance | Capacitance change | Within ±30% of the initial capacitance value |
| | ESR | 300% or less than the initial specified value |
| Marking | Printed with white color letter on black sleeve. | |

Drawing



Type numbering system (Example : 2.5V 150F)



Dimensions

| Rated Voltage (code) | Cap. (F) | Cap. code | ESR(mΩ) (at 1kHz) | DCR* Typical (mΩ) | Case size φD × L (mm) | | |
|----------------------|----------|-----------|-------------------|-------------------|-----------------------|----------|----------|
| | | | | | φ 25 (A) | φ 30 (B) | φ 35 (C) |
| 2.5V (0E) | 56 | 566 | 70 | 50 | 25 × 40 | 30 × 30 | |
| | 68 | 686 | 60 | 45 | | | 35 × 30 |
| | 82 | 826 | 60 | 35 | 25 × 50 | 30 × 40 | |
| | 100 | 107 | 50 | 30 | | | 35 × 35 |
| | 120 | 127 | 50 | 25 | | 30 × 50 | 35 × 40 |
| | 150 | 157 | 40 | 22 | | | 35 × 50 |
| | 200 | 207 | 30 | 16 | | | 35 × 50 |

Note :

The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minute charge with rated voltage (2.5V).

The discharge current (i) is 0.01 × rated capacitance (F). The discharge time (ΔT) measured between 2V and 1V with constant current.

The capacitance calculated below.

$$\text{Capacitance (F)} = i \times \Delta T$$

* The listed DCR value is typical and therefore not a guaranteed value.