



Screw Terminal Type, High Energy Density Type

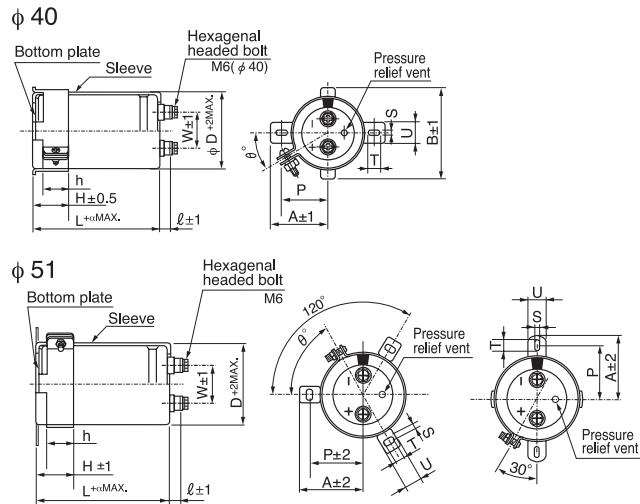
- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



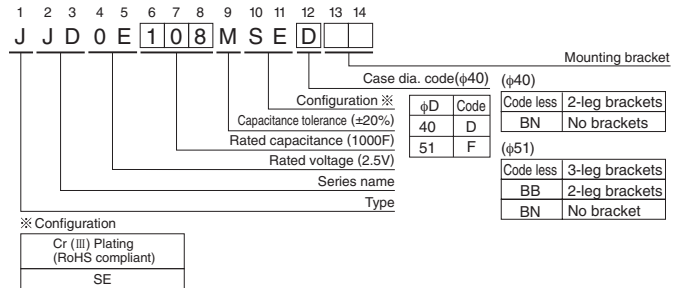
Specifications

| Item | Performance Characteristics | | | | | |
|----------------------------|---|---|--------------------|--|-----|---|
| Category Temperature Range | - 25 to +60°C | | | | | |
| Rated Voltage Range | 2.5V | | | | | |
| Rated Capacitance Range | 1000 to 2500F See Note | | | | | |
| Capacitance Tolerance | ±20% , 20°C | | | | | |
| Stability at Temperature | Capacitance (-25°C) / Capacitance (+20°C) ×100 ≥ 70% DCR (-25°C) / DCR(+20°C) ≤ 7 | | | | | |
| DCR* | Refer to the table below (20°C). *DC internal resistance | | | | | |
| Endurance | The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 60°C. | <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of the initial capacitance value</td> </tr> <tr> <td>DCR</td> <td>300% or less than the initial specified value</td> </tr> </table> | Capacitance change | Within ±30% of the initial capacitance value | DCR | 300% or less than the initial specified value |
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| Shelf Life | The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 2000 hours at 60°C. | <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of the initial capacitance value</td> </tr> <tr> <td>DCR</td> <td>300% or less than the initial specified value</td> </tr> </table> | Capacitance change | Within ±30% of the initial capacitance value | DCR | 300% or less than the initial specified value |
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| Humidity Endurance | The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 500 hours at 40°C 90%RH. | <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of the initial capacitance value</td> </tr> <tr> <td>DCR</td> <td>300% or less than the initial specified value</td> </tr> </table> | Capacitance change | Within ±30% of the initial capacitance value | DCR | 300% or less than the initial specified value |
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| DCR | 300% or less than the initial specified value | | | | | |
| Marking | Printed with white color letter on black sleeve. | | | | | |

Drawing



Type numbering system (Example : 2.5V 1000F)



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 $0.01 \times$ rated capacitance (F).
 The discharge time (ΔT) measured between 2V and 1V with constant current.
 The capacitance calculated below.
 Capacitance (F) = $i \times \Delta T$

- Dimensions of terminal pitch(W) and length(ℓ) and Normal dia. of bolt (mm)

| φ D | W | ℓ | α | Nominal of bolt |
|-----|------|----|---|-----------------|
| 40 | 18.8 | 9 | 3 | M6 |
| 51 | 26.0 | 10 | 3 | M6 |

Dimensions

| Rated Voltage (Code) | Cap. (F) | Cap. code | DCR ※ Typical (mΩ) | Case size | | Ref. Weight (g) |
|----------------------|----------|-----------|--------------------|-----------|--------|-----------------|
| | | | | φ (mm) | L (mm) | |
| 2.5V (0E) | 1000 | 108 | 8.0 | 40 | 105 | 210 |
| | 1300 | 138 | 6.0 | | 135 | 250 |
| | 2300 | 238 | 4.0 | 51 | 135 | 450 |
| | 2500 | 258 | 3.5 | | 142 | 500 |

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

- Dimensions of mounting bracket (mm)

| Symbol | Leg shape φD | 3-Legs | | 2-Legs | |
|--------|--------------|--------|-----|--------|----|
| | | 51 | 40 | 51 | 40 |
| P | | 32.5 | 27 | 33.2 | |
| A | | 38.5 | 32 | 40 | |
| B | | - | 48 | - | |
| T | | 7.5 | 7.0 | 6.0 | |
| S | | 5.0 | 3.5 | 4.5 | |
| U | | 12 | 10 | 14 | |
| θ° | | 60 | 45 | 30 | |
| H | | 20 | 17 | 25 | |
| h | | 15 | 12 | 15 | |

Note)The brackets will be supplied in the separate box.