



Screw Terminal Type, High Power Density Type

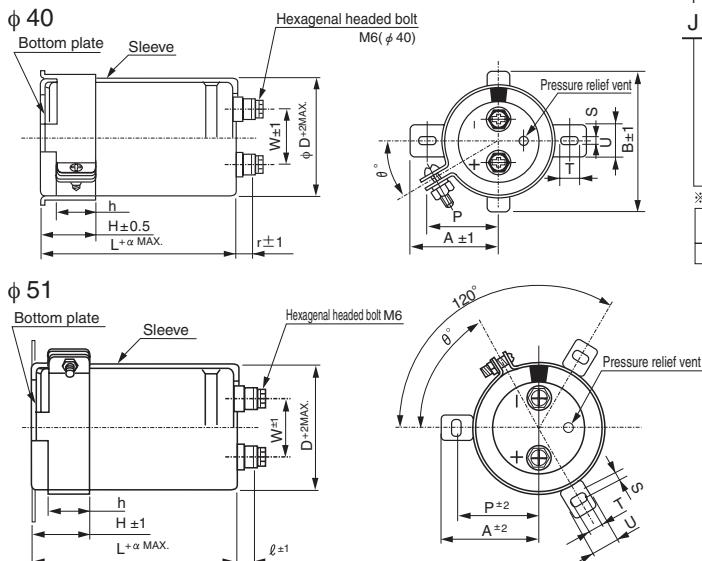
- High power density.
- Rapid charge-discharge.
- Suitable for regeneration and UPS applications.
- Compliant to the RoHS directive (2011/65/EU).



■ Specifications

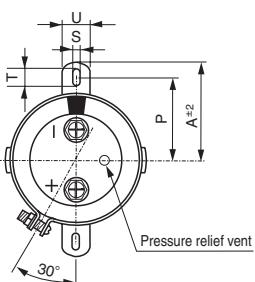
| Item | Performance Characteristics | | | | | |
|------------------------------|---|---|--------------------|--|-----|---|
| Category Temperature Range | -25 to +60°C | | | | | |
| Rated Voltage Range | 2.5V | | | | | |
| Rated Capacitance Range | 700 to 2000F See Note | | | | | |
| Capacitance Tolerance | ±20%(20°C) | | | | | |
| Stability at Low 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 700F)

| | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| J | J | L | 0 | E | 7 | 0 | 7 | M | S | E | D | | |
| Mounting bracket | | | | | | | | | | | | | |
| Case dia. code(φ40) (φ40) | | | | | | | | | | | | | |
| Configuration *** | | | | | | | | | | | | | |
| Capacitance tolerance (±20%) | | | | | | | | | | | | | |
| Rated capacitance (700F) | | | | | | | | | | | | | |
| Rated voltage (2.5V) | | | | | | | | | | | | | |
| Series name | | | | | | | | | | | | | |
| Type | | | | | | | | | | | | | |
| Case dia. code(φ51) (φ51) | | | | | | | | | | | | | |
| Configuration | | | | | | | | | | | | | |
| Cr (III) Plating (RoHS compliant) | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |



Note :
The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minuite 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 bellow.
Capacitance (F) = $i \times \Delta T$

■ Dimensions

| Rated Voltage (Code) | Cap. (F) | Cap. code | DCR* Typical (mΩ) | Case size φD × L (mm) | | Ref. Weight (g) |
|----------------------|----------|-----------|----------------------|-----------------------|-----|-----------------|
| | | | | φ D | L | |
| 2.5V (0E) | 700 | 707 | 3.5 | 40 | 105 | 210 |
| | 1000 | 108 | 2.5 | | 142 | 250 |
| | 1200 | 128 | 2.2 | | 167 | 300 |
| | 1100 | 118 | 2.8 | 51 | 105 | 380 |
| | 1700 | 178 | 1.7 | | 142 | 500 |
| | 2000 | 208 | 1.5 | | 167 | 600 |

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

● 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 of mounting bracket (mm)

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

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