

JJD

Screw Terminal Type, High Energy Density Type

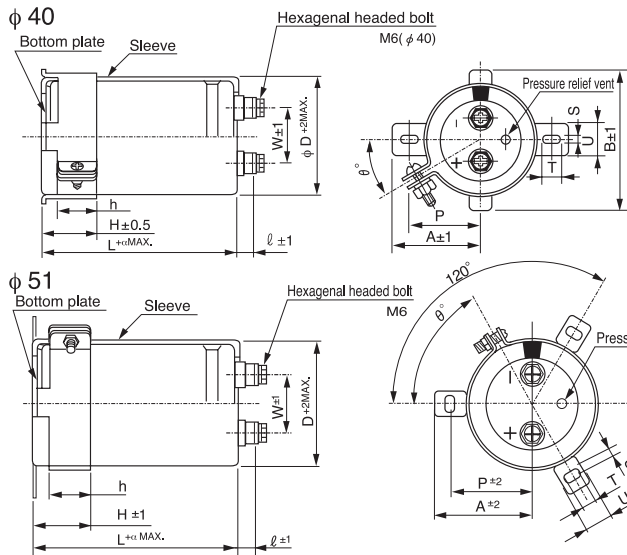
- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU).



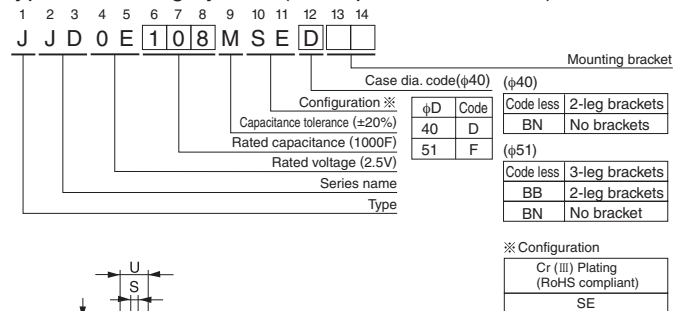
## ■ Specifications

| Item                       | Performance Characteristics                                                                                                                                 |                    |                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|
| Category Temperature Range | − 25 to +60°C                                                                                                                                               |                    |                                               |
| Rated Voltage Range        | 2.5V                                                                                                                                                        |                    |                                               |
| Rated Capacitance Range    | 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.         | Capacitance change | Within ±30% of the initial capacitance value  |
|                            |                                                                                                                                                             | DCR                | 300% or less than the initial specified value |
| 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. | Capacitance change | Within ±30% of the initial capacitance value  |
|                            |                                                                                                                                                             | DCR                | 300% or less than the initial specified value |
| 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.    | Capacitance change | Within ±30% of the initial capacitance value  |
|                            |                                                                                                                                                             | 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 ( $\Delta T$ ) 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 ( $\Delta T$ ) measured between 2V and 1V with constant current.  
 The capacitance calculated bellow.  
 $Capacitance (F) = i \times \Delta T$

## ■ Dimensions

| Rated Voltage<br>(Code) | Cap.<br>(F) | Cap. code | DCR ※<br>Typical (mΩ) | Case size |        | Ref. Weight<br>(g) |
|-------------------------|-------------|-----------|-----------------------|-----------|--------|--------------------|
|                         |             |           |                       | φ (mm)    | L (mm) |                    |
| 2.5V<br>(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 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<br>φD | 3-Legs |     | 2-Legs |  |
|--------|-----------------|--------|-----|--------|--|
|        |                 | 51     | 40  | 51     |  |
| 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.

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