



Screw Terminal Type, High Energy Density Type

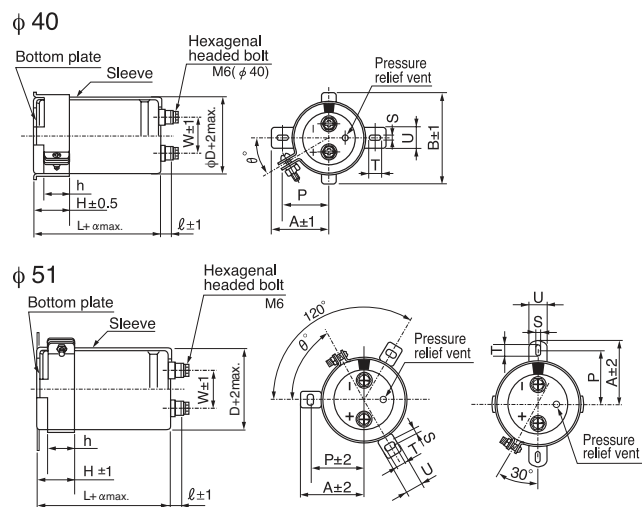
- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



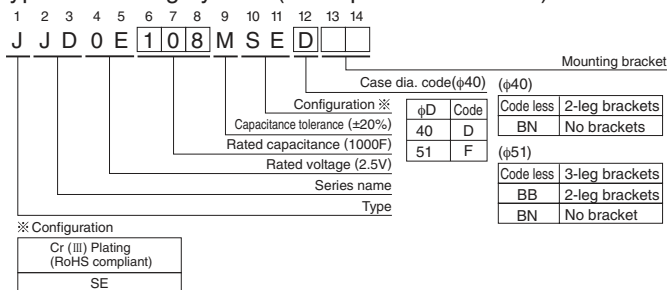
## Specifications

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
	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.	<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
	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 below.  
 Capacitance (F) =  $i \times \Delta T$

- Dimensions of terminal pitch(W) and length( $\ell$ ) and Normal dia. of bolt (mm)

$\phi$ D	W	$\ell$	$\alpha$	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)
				$\phi$ (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 $\phi$ D	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	
$\theta^\circ$		60	45	30	
H		20	17	25	
h		15	12	15	

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