

JJD

Screw Terminal Type, High Energy Density Type

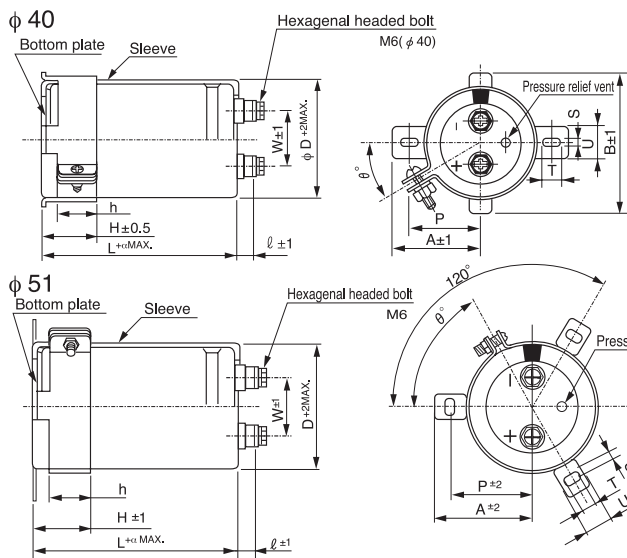
- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU).



■ 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)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
J	J	D	0	E	1	0	8	M	S	E	D		
<div> <div>Case dia. code(φ40)</div> <div>Configuration ※</div> <div>Capacitance tolerance (±20%)</div> <div>Rated capacitance (1000F)</div> <div>Rated voltage (2.5V)</div> <div>Series name</div> <div>Type</div> </div>													
<div> <div>Mounting bracket</div> <div>Code less</div> <div>2-leg brackets</div> <div>Code less</div> <div>3-leg brackets</div> <div>Code less</div> <div>2-leg brackets</div> <div>Code less</div> <div>No bracket</div> </div>													
<div> <div>※ Configuration</div> <div>Cr (III) Plating</div> <div>(RoHS compliant)</div> <div>SE</div> </div>													

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

■ 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 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	
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.