ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

nichicon



Screw Terminal Type, High Energy Density Type

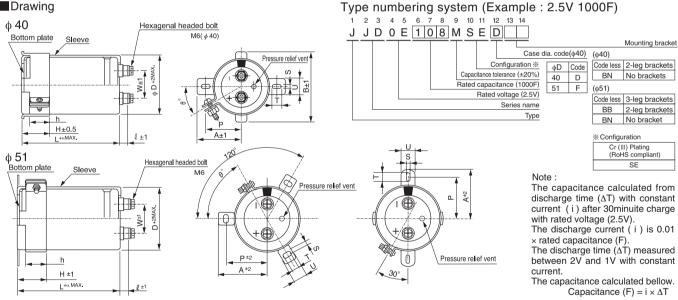
- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU).



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 DCR	Within ±30% of the initial capacitance value 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 DCR	Within ±30% of the initial capacitance value 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 DCR	Within ±30% of the initial capacitance value 300% or less than the initial specified value		
Marking	Printed with white color letter on black sleeve.				

Drawing



Dimensions

Rated Voltage	Cap.	- · · ·	DCR*	Case	size	Ref. Weight
(Code)	(F)	code	Typical (mΩ)	φ (mm)	L (mm)	(g)
	1000	108	8.0	40	105	210
2.5V	1300	138	6.0	40	135	250
(0E)	2300	238	4.0	- 1	135	450
	2500	258	3.5	51	142	500

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

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

¢ D	W	l	α	Nominal of bolt
40	18.8	9	3	M6
51	26.0	10	3	M6

• Dimensions of mounting bracket (mm)

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

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

CAT.8100H