ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

nichicon

JJD

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).

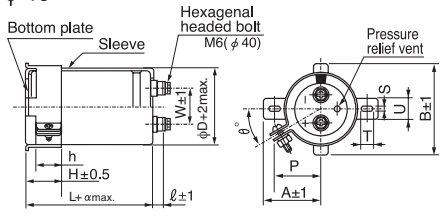
Products which are scheduled to be discontinued.
Not recommended for new designs.

■Specifications

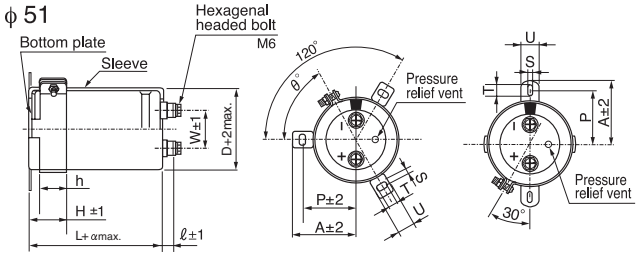
Item	Performance Characteristics
Category Temperature Range	– 25 to +60°C
Rated Voltage Range	2.5V
Rated Capacitance Range	1000 to 2500F See Note
Capacitance Tolerance	±20% , 20°C
Stability at Temperature	Capacitance (– 25°C) / Capacitance (+20°C) ×100 ≧ 70% DCR (– 25°C) / DCR(+20°C) ≦7
DCR*	Refer to 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

ϕ 40



ϕ 51



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		

- 1–2: Type
- 3: Series name
- 4–5: Rated voltage (2.5V)
- 6–8: Rated capacitance (1000F)
- 9: Capacitance tolerance (±20%)
- 10–11: Configuration ※
- 12: Case dia. code(ϕ40)
- 13–14: Mounting bracket

※Configuration

Cr (Ⅲ) Plating (RoHS compliant)
SE

Case dia. code(ϕ40)

ϕD	Code
40	D
51	F

Mounting bracket

(ϕ40)

Code less	2-leg brackets
BN	No brackets

(ϕ51)

Code less	3-leg brackets
BB	2-leg brackets
BN	No bracket

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 × rated capacitance (F).
The discharge time (ΔT) measured between 2V and 1V with constant current.
The capacitance calculated bellow.

Capacitance (F) = i × ΔT

● 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

Rated Voltage (Code)	Cap. (F)	Cap. code	DCR※ Typical (mΩ)	Case size ϕ (mm)	Case size L (mm)	Ref. Weight (g)
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 / 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.