ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

nichicon

JJL

Screw Terminal Type, High Power Density Type

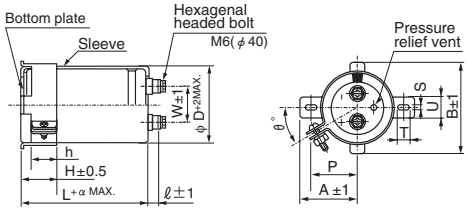
- High power density.
- Rapid charge-discharge.
- Suitable for regeneration and UPS applications.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

■Specifications

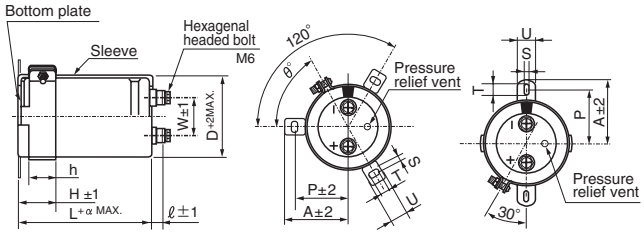
Item	Performance Characteristics
Category Temperature Range	– 25 to +60°C
Rated Voltage Range	2.5V
Rated Capacitance Range	700 to 2000F See Note
Capacitance Tolerance	±20%(20°C)
Stability at Low Temperature	Capacitance (– 25°C) / Capacitance (+20°C) ×100 ≧ 70% DCR (– 25°C) / DCR (+20°C) ≦ 7
DCR*	Refer 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 700F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
J	J	L	0	E	7	0	7	M	S	E	D		

- 1–2: Type
- 3–5: Series name
- 6–8: Rated voltage (2.5V)
- 9–11: Rated capacitance (700F)
- 12: Capacitance tolerance (±20%)
- 13: Configuration ※
- 14: Case dia. code(ϕ40)
- Mounting bracket

ϕD	Code
40	D
51	F

※Configuration

Cr (Ⅲ) Plating (RoHS compliant)
SE

(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 ϕD×L (mm) ϕ D	L	Ref. Weight (g)
2.5V (0E)	700	707	3.5	40	105	210
	1000	108	2.5		142	250
	1200	128	2.2		167	300
	1100	118	2.8	51	105	380
	1700	178	1.7		142	500
	2000	208	1.5		167	600

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

● Dimensions of mounting bracket (mm)

Leg shape / Symbol / 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.