

# ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

nichicon



Screw Terminal Type, High Power Density Type

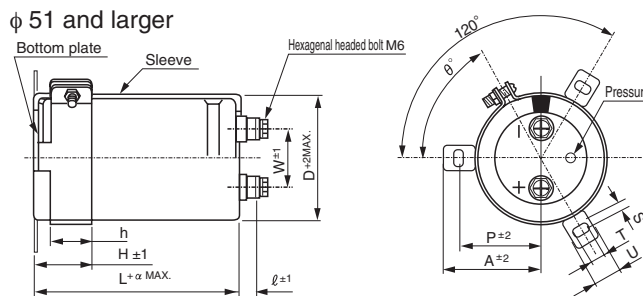
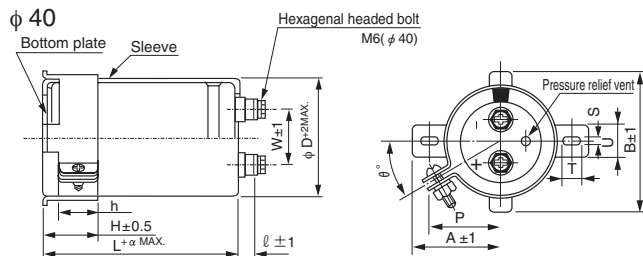
- High power density.
- Rapid charge-discharge.
- Suitable for regeneration and UPS applications.
- Compliant to the RoHS directive (2011/65/EU).



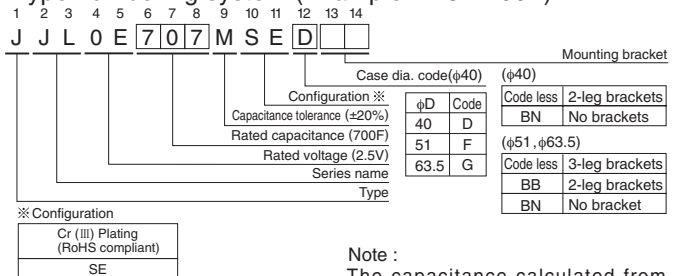
## Specifications

Item	Performance Characteristics	
Category Temperature Range	- 25 to + 60°C	
Rated Voltage Range	2.5V	
Rated Capacitance Range	700 to 2600F See Note	
Capacitance Tolerance	±20% (20°C)	
Leakage Current	0.5C (mA) [C : Rated Capacitance (F)] (After 30 minutes' application of rated voltage : 2.5V)	
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	Capacitance change	Within ±30% of the initial capacitance value
	DCR	300% or less than the initial value
	Leakage current	Less than or equal to the initial specified value
Shelf Life	Capacitance change	Within ±30% of the initial capacitance value
	DCR	300% or less than the initial value
	Leakage current	Less than or equal to the initial specified value
Marking	Printed with white color letter on black sleeve.	

## Drawing



## Type numbering system (Example : 2.5V 700F)



### 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 × 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

Rated Voltage (Code)	Cap. (F)	Cap. code	DCR※ Typical (mΩ)	Case size φD × L (mm)		Ref. Weight (g)
				φ D	L	
2.5V (OE)	700	707	3.5	40	105	210
	850	857	2.5		135	250
	1500	158	1.8	51	135	450
	1700	178	1.7		142	500
	2600	268	1.3		63.5	150

※ 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
63.5	28.6	10	3	M6

### • Dimensions of mounting bracket (mm)

Leg shape Symbol φD	3-Legs		2-Legs		
	51	63.5	40	51	63.5
P	32.5	38.1	27	33.2	40.5
A	38.5	43	32	40	46.5
B	-	-	48	-	-
T	7.5	8.0	7.0	6.0	7.0
S	5.0	5.0	3.5	4.5	4.5
U	12	14	10	14	14
θ°	60	60	45	30	30
H	20	25	17	25	35
h	15	20	12	15	20

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