ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

nichicon

JC Screw Terminal Type series

- Excellent in voltage holding property.
- Suitable for quick charge and discharge.
- Wide temperature range (– 25°C to + 60°C).
- Adapted to the RoHS directive (2002/95/EC).

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

JD High Energy Density　JL High Power Density

JC

■Specifications

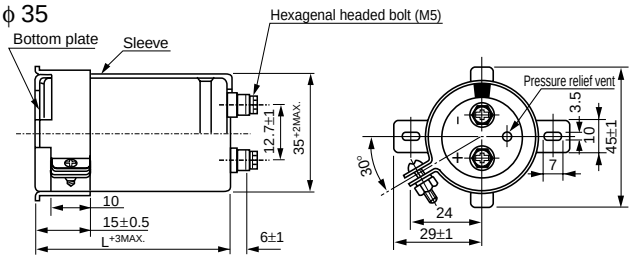
Item	Performance Characteristics
Category Temperature Range	– 25 to + 60°C
Rated Voltage Range	2.5V
Rated Capacitance Range	470 to 3300F　See Note
Capacitance Tolerance	±20% (20°C)
Leakage Current	0.5C (mA)　[C : Rated Capacitance(F)]　(After 30 minutes' application of rated voltage, 2.5V)
Stability at Temperature	Capacitance (– 25°C) /Capacitance (+20°C) ×100 ≧ 70%
DCR*	Refer to the list 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.
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.
Marking	Printed with white color letter on black sleeve.

Endurance / Shelf Life:

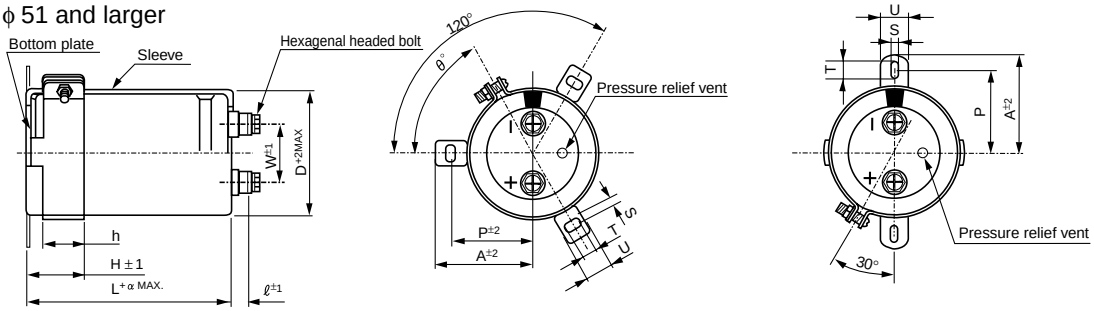
Capacitance change	Within ±30% of initial value
DCR	300% or less of initial specified value
Leakage current	Less than or equal to the initial specified value

■Drawing

ϕ 35



ϕ 51 and larger



Type numbering system (Example : 2.5V 470F)

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

Mounting bracket

Case dia. code

ϕD	Code
35	C
51	F
63.5	G
76.2	H
90	J

(ϕ35)

Code less	2-leg brackets
BN	No brackets

(ϕ51 to ϕ90)

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

Configuration ※
Capacitance tolerance (±20%)
Rated Capacitance (470F)
Rated voltage (2.5V)
Series name
Type

※Configuration

Cr (III) Plating (RoHS compliant)
SE

■Dimensions

Rated Voltage (Code)	Cap. (F)	Cap. code	DCR (mΩ)	Case size ϕD×L (mm) ϕ D	L
2.5V (0E)	470	477	16	35	120
	1000	108	9	51	120
	1200	128	8		160
	1500	158	7	63.5	120
	1800	188	6		160
	2200	228	5	76.2	120
	2700	278	5		160
	3300	338	4	90	160

●Dimensions of mounting bracket (mm)

	3-Legs				2-Legs			
Symbol \ ϕ D	51	63.5	76.2	90	51	63.5	76.2	90
P	32.5	38.1	44.5	50.8	33.2	40.5	46.5	53
A	38.5	43	49.2	58.5	40	46.5	53	59
T	7.5	8.0	7.0	8.0	6.0	7.0	6.0	6.0
S	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5
U	12	14	14	18	14	14	14	14
θ°	60	60	60	60	30	30	30	30
H	20	25	30	35	25	35	35	35
h	15	20	24	25	15	20	20	20

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

ϕ D	W	ℓ	α	Nominal of bolt
51	22.0	6	3	M5
63.5	28.6	6	3	M5
76.2	31.8	6	3	M5
90	31.8	6	3	M5

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

Capacitance (F) = i × ΔT

CAT.8100X-1