



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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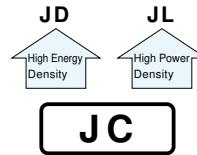
ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"



JC series Screw Terminal Type

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

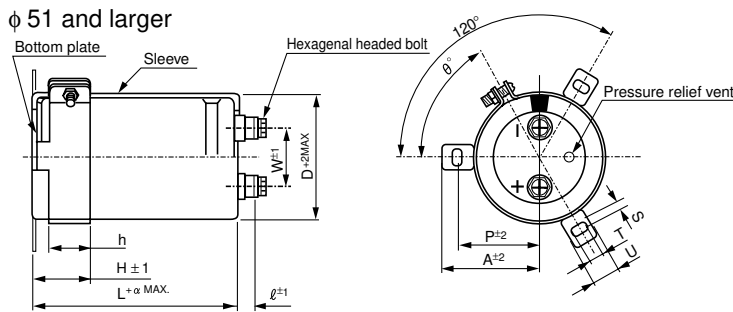
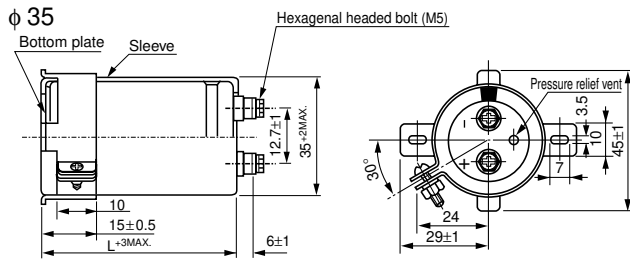
Products which are scheduled to be discontinued.
Not recommended for new designs



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.	<table border="1"> <tr><td>Capacitance change</td><td>Within ±30% of initial value</td></tr> <tr><td>DCR</td><td>300% or less of initial specified value</td></tr> <tr><td>Leakage current</td><td>Less than or equal to the initial specified value</td></tr> </table>	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
	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							
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.	<table border="1"> <tr><td>Capacitance change</td><td>Within ±30% of initial value</td></tr> <tr><td>DCR</td><td>300% or less of initial specified value</td></tr> <tr><td>Leakage current</td><td>Less than or equal to the initial specified value</td></tr> </table>	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
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	DCR	300% or less of initial specified 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 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

Configuration ※

Case dia. code (φD)	35	Code	C
Capacitance tolerance (±20%)	51	Code	F
Rated Capacitance (470F)	63.5	Code	G
Rated voltage (2.5V)	76.2	Code	H
Series name	90	Code	J
Type			

Mounting bracket

(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

Cr (III) Plating (RoHS compliant)	SE
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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 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

Dimensions of mounting bracket (mm)

Symbol φ D	3-Legs				2-Legs			
	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

Note :

The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minute 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 below.

$$\text{Capacitance (F)} = i \times \Delta T$$

CAT.8100X