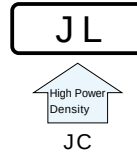


JL series

Screw Terminal Type, High Power Density Type

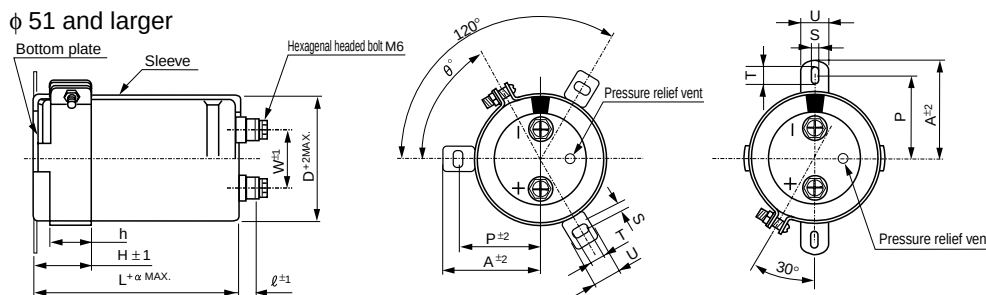
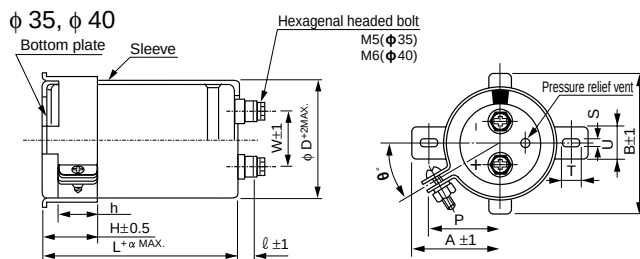
- High power density.
- Rapid charge-discharge.
- Suitable for regeneration and UPS applications.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

Item	Performance Characteristics	
Category Temperature Range	- 25 to + 60°C	
Rated Voltage Range	2.5V	
Rated Capacitance Range	400 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 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.	Capacitance change
		Within ±30% of initial value
		DCR
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.	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 650F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
J	J	L	0	E	6	5	7	M	S	E	C		
Configuration ※ Capacitance tolerance (±20%) Rated Capacitance (650F) 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)		Ref. Weight (g)
				φ D	L	
2.5V (0E)	400	407	7	35	85	130
	550	557	5		105	160
	650	657	4		135	210
	700	707	4	40	105	210
	850	857	3		135	250
	1500	158	2	51	135	450
	1600	168	2		150	500
	2600	268	1.6	63.5	150	800

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

φ D	W	ℓ	α	Nominal of bolt
35	12.7	6	3	M5
40	18.8	9	3	M6
51	22.0	10	3	M6
63.5	28.6	10	3	M6

Dimensions of mounting bracket (mm)

Symbol	φD	3-Legs		2-Legs	
		51	63.5	35	40
P	32.5	38.1	24	27	33.2
A	38.5	43	29	32	40
B	—	—	45	48	—
T	7.5	8.0	7.0	7.0	6.0
S	5.0	5.0	3.5	3.5	4.5
U	12	14	10	10	14
θ°	60	60	30	45	30
H	20	25	15	17	25
h	15	20	10	12	15

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 bellow.

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

CAT.8100X