



Snap-in Terminal Type

series

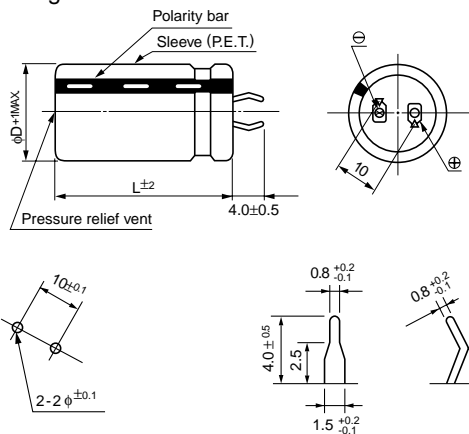
- Excellent in voltage holding property.
- Suitable for quick charge and discharge.
- Wide temperature range (−25°C to +60°C).
- Adapted to the RoHS directive (2002/95/EC).



Specifications

Item	Performance Characteristics	
Category Temperature Range	−25 to +60°C	
Rated Voltage Range	2.5V	
Rated Capacitance Range	15 to 150F 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%	
ESR, 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
		ESR
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.	Capacitance change
		Within ±30% of initial value
		ESR
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

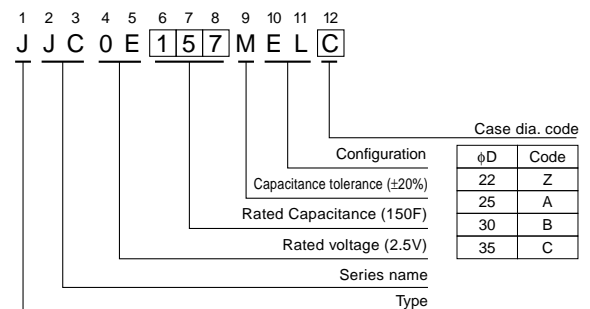
Drawing



(PC board hole dimensions)

(Terminal dimensions)

Type numbering system (Example : 2.5V 150F)



Dimensions

Rated Voltage (code)	Cap. (F)	Cap. code	ESR(mΩ) (at 1kHz)	DCR(mΩ)	Case size φD×L (mm)			
					φ22 (Z)	φ25 (A)	φ30 (B)	φ35 (C)
2.5V (0E)	15	156	120	500	22×20			
	18	186	120	400		25×20		
	22	226	90	300			30×20	
	27	276	90	250	22×30		30×20	
	33	336	80	200		25×30		35×20
	39	396	80	200	22×35	25×30		35×20
	47	476	70	160	22×40	25×35		
	56	566	70	140		25×40	30×30	
	68	686	60	110				35×30
	82	826	60	100		25×50	30×40	
	100	107	50	90				35×35
	120	127	50	70			30×50	35×40
	150	157	40	60				35×50

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.

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