Snap-in Terminal Type series

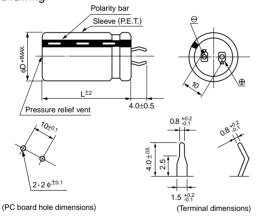
- Excellent in voltage holding property.
- Suitable for quick charge and discharge.
- Wide temperature range (- 25°C to + 60°C).
- Compliant to the RoHS directive (2011/65/EÚ).



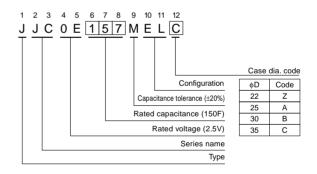
Specifications

Item	Performance Characteristics								
Category Temperature Range	- 25 to +60°C								
Rated Voltage Range	2.5V								
Rated Capacitance Range	15 to 200F 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 table 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	Capacitance change	Within ±30% of the initial capacitance value						
		ESR	300% or less than the initial specified value						
	at 60°C.	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	Capacitance change	Within ±30% of the initial capacitance value						
		ESR	300% or less than the initial specified value						
	for 2000 hours at 60°C.	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 150F)



■ Dimensions

Rated	Cap. Cap	Cap.		DCR ** Typical (mΩ)	Case size ♦D×L (mm)			
Voltage (code)		code			φ 22 (Z)	φ25 (A)	φ 30 (B)	φ 35 (C)
2.5V (0E)	15	156	120	160	22×20			
	18	186	120	140		25×20		
	22	226	90	130			30×20	
	27	276	90	110	22×30		30×20	
	33	336	80	90		25×30		35×20
	39	396	80	80	22×35	25×30		35×20
	47	476	70	60	22×40	25×35		
	56	566	70	50		25×40	30×30	
	68	686	60	45				35×30
	82	826	60	35		25×50	30×40	
	100	107	50	30				35×35
	120	127	50	25			30×50	35×40
	150	157	40	22				35×50
	200	207	30	16				35×50

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

The capacitance calculated bellow.

Capacitance (F) = $i \times \Delta T$