

JC Series

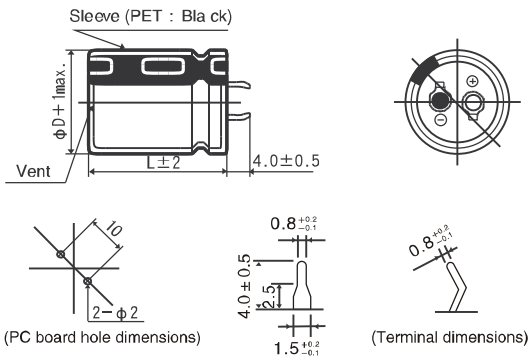
- Excellent in voltage holding property.
- Suitable for quick charge and discharge.
- Wide temperature range (-25°C to +60°C).
- Compliant to the RoHS directive (2002/95/EC).



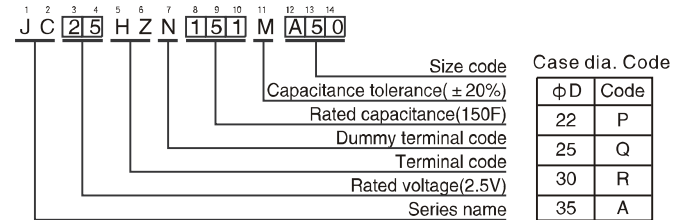
◆ Main Technology Perfomance

Item	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%							
Endurance	Refer to the table below (20°C). *DC internal resistance							
Shelf Life	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 the initial capacitance value</td> </tr> <tr> <td>ESR</td> <td>300% or less than the 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 the initial capacitance value	ESR	300% or less than the initial specified value	Leakage current	Less than or equal to the initial specified value
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Marking	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 the initial capacitance value</td> </tr> <tr> <td>ESR</td> <td>300% or less than the 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 the initial capacitance value	ESR	300% or less than the initial specified value	Leakage current	Less than or equal to the initial specified value
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ESR, DCR*	Printed with white color letter on black sleeve.							

◆ DIMENSIONS[mm]



◆ PART NUMBERING SYSTEM



Note :
The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minuite charge with rated voltage (2.7V).
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 below.
Capacitance (F) = i × ΔT

◆ Dimensions

Rated Voltage (Code)	Rated Capacitance (F)	Code	ESR (Ω) (at 1kHz)	DCR※ Typical (Ω)	Case size φ D × L (mm)			
					φ 22(Z)	φ 25(A)	φ 30(B)	φ 35(C)
2.5V	15	150	120	160	22 × 20			
	18	180	120	140		25 × 20		
	22	220	90	130			30 × 20	
	27	220	90	110	22 × 30		30 × 20	
	33	330	80	90		25 × 30		35 × 20
	39	390	80	80	22 × 35	25 × 30		35 × 20
	47	470	70	60	22 × 40	25 × 35		
	56	560	70	50		25 × 40	30 × 30	
	68	680	60	45				35 × 30
	82	820	60	35		25 × 50	30 × 40	
	100	101	50	30				35 × 35
	120	121	50	25			30 × 50	35 × 40
	150	151	40	22				35 × 50
200	201	30	16				35 × 50	

※The listed DCR value is typical and therefore not a guaranteed value.