SXJ Series

Features
- 105℃, 1,000 hours assured
- Low impedance with 5 ~ 7mm height
- RoHS Compliance

Sleeve & Marking Color: Brown & White

Specifications

Items	Performance
Category Temperature Range	-55℃ ~ +105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF V = rated DC working voltage in V

Dissipation Factor (Tanδ at 120Hz, 20℃)

Rated Voltage	6.3	10	16	25	35
Tanδ (max)	0.25	0.20	0.17	0.15	0.13

Low Temperature Characteristics (at 120Hz)

Impedance ratio shall not exceed the values given in the table below.

Rated Voltage		6.3	10	16	25	35
Impedance Ratio	Z(-25℃)/Z(+20℃)	2	2	2	2	2
	Z(-55℃)/Z(+20℃)	4	4	4	4	4

Endurance

Test Time	1,000 Hrs
Capacitance Change	Within ±20% of initial value
Dissipation Factor	Less than 200% of specified value
Leakage Current	Within specified value

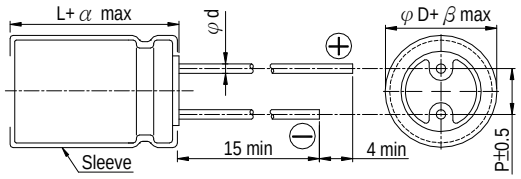
* The above Specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 1,000 hours at 105℃.

Shelf Life Test: Test time: 500 hours; other items are the same as those for the Endurance.

Ripple Current & Frequency Multipliers

Frequency (Hz)	60 (50)	120	300	1k	10k up
Multiplier	0.35	0.5	0.64	0.83	1.0

Diagram of Dimensions



Lead Spacing and Dameter Unit: mm

ϕD	4	4	5	5	6.3	6.3	8
L	5	7	5	7	5	7	7
P	1.5	1.5	2.0	2.0	2.5	2.5	3.5
ϕd	0.45	0.45	0.45	0.5	0.45	0.5	0.5
α	1.0						
β	0.5						

Dimension: ϕD × L(mm)
Ripple Current: mA/rms at 100k Hz, 105℃
Impedance: Ω/100k Hz, 20℃

Dimension & Permissible Ripple Current

V.DC / μF	Contents	6.3V (0J)			10V (1A)			16V (1C)			25V (1E)			35V (1V)		
		ϕD×L	mA	Imp.	ϕD×L	mA	Imp.	ϕD×L	mA	Imp.	ϕD×L	mA	Imp.	ϕD×L	mA	Imp.
4.7	4R7													4×7 4×5	70 50	3.3 5.0
10	100							4×5	50	5.0	4×7 5×5	70 80	3.3 2.6	5×7 5×5	110 80	1.7 2.6
22	220	4×5	50	5.0	4×7 5×5	70 80	3.3 2.6	5×7 5×5	110 80	1.7 2.6	5×7 6.3×5	160 115	0.8 1.3	6.3×7 6.3×5	160 115	0.8 1.3
33	330	5×7 5×5	110 80	1.7 2.6	5×7 5×5	110 80	1.7 2.6	6.3×7 6.3×5	160 115	0.8 1.3	6.3×7 6.3×5	160 115	0.8 1.3	8×7	200	0.5
47	470	5×7 5×5	110 80	1.7 2.6	6.3×7 6.3×5	160 115	0.8 1.3	6.3×7 6.3×5	160 115	0.8 1.3	8×7	200	0.5			
100	101	6.3×7 6.3×5	160 115	0.8 1.3	8×7	200	0.5	8×7	200	0.5						
150	151	8×7	200	0.5	8×7	200	0.5									
220	221	8×7	200	0.5												