SSN Series

Features

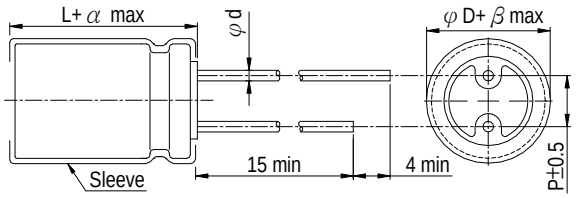
- 85℃, 1,000 hours assured, bi-polarized series with 5mm height
- Suitable for use in circuits wihich has a reversed or unknown polarity
- RoHS Compliance

Sleeve & Marking Color: Yellow & Black

Secifications

Items	Performance
Category Temperature Range	-40℃ ~ +85℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	I = 0.05CV or 10 (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: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 Tanδ (max): 0.35 / 0.24 / 0.20 / 0.17 / 0.17 / 0.15 / 0.15
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. Rated Voltage: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 Impedance Ratio Z(-25℃)/Z(+20℃): 7 / 4 / 3 / 2 / 2 / 2 / 2 Impedance Ratio Z(-40℃)/Z(+20℃): 15 / 10 / 8 / 6 / 4 / 3 / 3
Endurance (After application of the rated voltage at 85℃, the polarity inverted every 250 Hrs.)	Test Time: 1,000 Hrs Capacitance Change: Within ±30% of initial value for 4 ~ 6.3 V; Within ±25% of initial value for 10 ~ 50V 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 for 1,000 hours at 85℃.
Shelf Life Test	Test time: 500 hours; LC: Less than 200% of specified value; other items are the same as those for the Endurance.

Diagram of Dimensions



Lead Spacing and Diameter Unit: mm

φD	4	5	6.3
P	1.5	2.0	2.5
φd	0.45		
α	1.0		
β	0.5		

Dimension & Permissible Ripple Current

Dimension: φD×L(mm)
Ripple Current: mA/rms at 120 Hz, 85℃

V. DC / μF	Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
		φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
0.33	R33													4×5	3.5
0.47	R47													4×5	4.2
1	010											4×5	5.5	4×5	6.1
2.2	2R2									4×5	8	4×5	9.1	5×5	10
3.3	3R3							4×5	9	4×5	10	5×5	12	5×5	13
4.7	4R7					4×5	11	5×5	12	5×5	14	5×5	15	6.3×5	16
10	100	4×5	19	4×5	15	5×5	19	6.3×5	21	6.3×5	22	6.3×5	24		
22	220	5×5	23	5×5	26	6.3×5	31	6.3×5	33						
33	330	6.3×5	30	6.3×5	36	6.3×5	38								
47	470	6.3×5	36	6.3×5	41										