



Aluminum Electrolytic Capacitors **SSN** Series

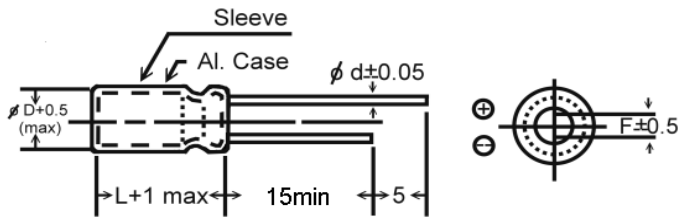
Features

- 5mm height with non-polarized series

Specification

Items	Performance																					
Capacitance Tolerance	±20 % (at 120Hz, 25 °C)																					
Rated Voltage Range	6.3 to 50 VDC																					
Capacitance Range	0.1 to 47 uF																					
Operating Temperature Range	-40 to + 105°C																					
Leakage Current (at 25°C)	$I \leq 0.03 CV$ or 10 (uA), whichever is greater.																					
	After 3 minutes application of working voltage. I= Leakage current (uA), C= Rated capacitance (uF), V= Rated voltage (V)																					
Dissipation Factor (Tan δ at 120Hz, 25°C)	<table border="1"> <tr> <td>Rate Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tan δ (max)</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> </tr> </table>	Rate Voltage	6.3	10	16	25	35	50	Tan δ (max)	0.24	0.20	0.17	0.15	0.12	0.10							
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Low Temperature characteristics (at 120Hz)	Impedance ration max.																					
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-25°C/25°C	4	3	2	2	2	2																
-40°C/25°C	8	6	4	4	3	3																
Load Life	After 1000 hours application of W.V. at 105°C. the capacitor shall meet the following limits. Capacitance change : $\leq \pm 25\%$ of initial value Dissipation factor : $\leq 200\%$ of initial specified value Leakage Current : \leq Initial specified value																					
Shelf Life	After storage for 500 hours at 105°C, with no voltage applied and being stabilised at + 25°C, Capacitor shall meet the limit specified in load life.																					
Ripple Current & Frequency Multipliers	<table border="1"> <tr> <td>Freq.(Hz)</td> <td>60 (50)</td> <td>120</td> <td>500</td> <td>1K</td> <td>10Kup</td> </tr> <tr> <td>Cap.(uF)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Multiplier</td> <td>0.80</td> <td>1.00</td> <td>1.20</td> <td>1.30</td> <td>1.50</td> </tr> </table>	Freq.(Hz)	60 (50)	120	500	1K	10Kup	Cap.(uF)						Multiplier	0.80	1.00	1.20	1.30	1.50			
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D	4	5	6.3
F	1.5	2.0	2.5
d	0.45		

Dimension : ϕ D x L (mm)

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current : mA/rms at 120Hz, 85°C

VDC uF	6.3V		10V		16V		25V		35V		50V	
	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA
0.1											4x5	1
0.22											4x5	1
0.33											4x5	1.5
0.47											4x5	1.5
1											4x5	3
2.2									4x5	6	5x5	6
3.3					4x5	6	5x5	9	5x5	9	5x5	10
4.7					4x5	9	5x5	10	5x5	11	6.3x5	12
10					5x5	14	5x5	15	6.3x5	20		
22	5x5	20	6.3x5	25	6.3x5	28						
33	6.3x5	30	6.3x5	32	6.3x5	38						
47	6.3x5	35										