



Aluminum Electrolytic Capacitors SSN Series

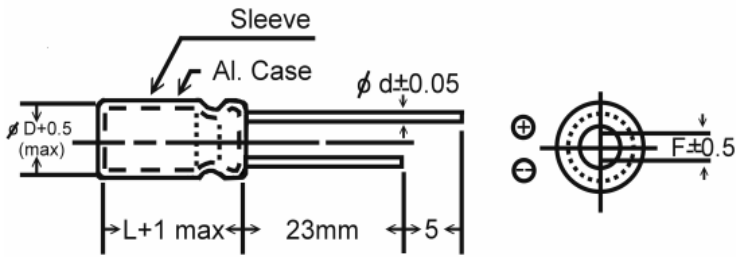
Features

- 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 µF																					
Operating Temperature Range	-40 to + 85°C																					
Leakage Current (at 25 °C)	I ≤ 0.03 CV or 10 (µA), whichever is greater. After 3 minutes application of working voltage. I= Leakage current (µA), C= Rated capacitance (µF), V= Rated voltage (V)																					
Dissipation Factor (Tan δ at 120Hz, 25 °C)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Rate Voltage</td> <td style="text-align: center;">6.3</td> <td style="text-align: center;">10</td> <td style="text-align: center;">16</td> <td style="text-align: center;">25</td> <td style="text-align: center;">35</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="text-align: left;">Tan δ (max)</td> <td style="text-align: center;">0.24</td> <td style="text-align: center;">0.20</td> <td style="text-align: center;">0.17</td> <td style="text-align: center;">0.15</td> <td style="text-align: center;">0.12</td> <td style="text-align: center;">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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-40 °C /25 °C	8	6	4	4	3	3																
Load Life	After 1000 hours application of W.V. at 85°C. the capacitor shall meet the followin limits. Capacitance change : ≤ ±25% of initial value Dissipation factor : ≤ 200% of initial specified value Leakage Current : ≤ Initial specified value																					
Shelf Life	After storage for 500 hours at 85 °C, with no voltage applied and being stabilixed at + 25°C, Capacitor shall meet the limit specifed in load life.																					
Ripple Current & Frequency Multipliers	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Freq.(Hz)</td> <td style="text-align: center;">60 (50)</td> <td style="text-align: center;">120</td> <td style="text-align: center;">1K</td> <td style="text-align: center;">10Kup</td> </tr> <tr> <td style="text-align: left;">Cap.(µF)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: left;">Multiplier</td> <td style="text-align: center;">0.60</td> <td style="text-align: center;">0.90</td> <td style="text-align: center;">1.00</td> <td style="text-align: center;">1.10</td> </tr> </table>	Freq.(Hz)	60 (50)	120	1K	10Kup	Cap.(µF)					Multiplier	0.60	0.90	1.00	1.10						
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Standards	Satisfied Characteristic W of JIS C																					

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D	4	5	6.3
F	1.5	2.0	2.5
d	0.45		

Dimension : D x L (mm)

Ripple Current : mA/rms at 120Hz,85

DIMENSION & PERMISSIBLE RIPPLE CURRENT

VDC uF	6.3V		10V		16V		25V		35V		50V	
	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	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										