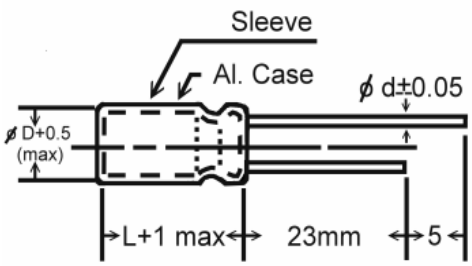
Aluminum Electrolytic Capacitors **SN** Series

Features

- 7mm height with non-polarized series

Specifications

<table>
<tr><th>Items</th><th>Performance</th></tr>
<tr><td>Capacitance Tolerance</td><td>±20 % (at 120Hz, 25 ℃)</td></tr>
<tr><td>Rated Voltage Range</td><td>6.3 to 50 VDC</td></tr>
<tr><td>Capacitance Range</td><td>0.1 to 100 uF</td></tr>
<tr><td>Operating Temperature Range</td><td>-40 to + 85℃</td></tr>
<tr><td rowspan="2">Leakage Current (at 25℃)</td><td>I≦0.03 CV or 10 (uA), whichever is greater.</td></tr>
<tr><td>After 3 minutes application of working voltage.
I= Leakage current (uA), C= Rated capacitance (uF), V= Rated voltage (V)</td></tr>
<tr><td>Dissipation Factor
(Tan δ at 120Hz, 25℃)</td><td>
<table>
<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>
</td></tr>
<tr><td>Low Temperature characteristics (at 120Hz)</td><td>Impedance ration max.
<table>
<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>-25℃/25℃</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr>
<tr><td>-40℃/25℃</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr>
</table>
</td></tr>
<tr><td>Load Life</td><td>After 1000 hours application of W.V. at 85℃.
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</td></tr>
<tr><td>Shelf Life</td><td>After storage for 500 hours at 85℃, with no voltage applied and being stabilixed at + 25℃, Capacitor shall meet the limit specifed in load life.</td></tr>
<tr><td>Ripple Current & Frequency Multipliers</td><td>
<table>
<tr><td>Freq.(Hz)
Cap.(uF)</td><td>60 (50)</td><td>120</td><td>1K</td><td>10K</td><td>100K</td></tr>
<tr><td>Under 10</td><td>0.60</td><td>0.90</td><td>1.00</td><td>1.10</td><td>1.10</td></tr>
<tr><td>10 to 100</td><td>0.65</td><td>0.90</td><td>1.00</td><td>1.00</td><td>1.00</td></tr>
</table>
</td></tr>
<tr><td>Ripple Current & Temperature Multipliers</td><td>
<table>
<tr><td>Temperature (℃)</td><td>70</td><td>85</td></tr>
<tr><td>Multiplier</td><td>1.10</td><td>0.90</td></tr>
</table>
</td></tr>
<tr><td>Standards</td><td>Satisfied Characteristic W of JIS C</td></tr>
</table>



D	4	5	6.3
F	1.5	2.0	2.5
d	0.45		

Dimension : ψD x L (mm)

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current : mA/rms at 120Hz,85℃

VDC / uF	6.3V		10V		16V		25V		35V		50V	
	ψDxL	mA	ψDxL	mA	ψDxL	mA	ψDxL	mA	ψDxL	mA	ψDxL	mA
0.1											4x7	1
0.22											4x7	1.5
0.33											4x7	2
0.47											4x7	2
1											4x7	7
2.2											4x7	10
3.3											4x7	12
4.7							4x7	14	5x7	15	6.3x7	18
10					4x7	20	5x7	22	6.3x7	25		
22			4x7	30	5x7	38	6.3x7	42				
33			5x7	35	6.3x7	40	6.3x7	45				
47			5x7	40	6.3x7	42						
100	6.3x7	50										