



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

SSP Series

• 85°C 2,000Hrs assured.

- Non-solvent proof.
- Bi-polarized.
- For Speaker Cross-Over Network.
- RoHS compliant.
- Halogen-free capacitors are also available.



SPECIFICATIONS

Item	Characteristics												
Rated Voltage Range	25 ~ 63 V _{DC}												
Operating Temperature Range	-40 ~ +85°C												
Capacitance Tolerance	±20% (M) (at 1kHz, 20°C)												
Leakage Current (In both directions)	After 1 minute: I=0.06CV(µA) or 10 µA, whichever is greater After 5 minutes: I=0.03CV(µA) or 3 µA, whichever is greater Where, I:MAX.Leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(V _{DC}) (at 20°C)												
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>25</td> <td>50</td> <td>63</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </table> <p>0.20 at 10kHz (Applicable to the capacitances of 10 µF or less) (at 1kHz, 20°C)</p>	Rated Voltage(V _{DC})	25	50	63	Tanδ(Max.)	0.12	0.10	0.09				
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Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>25</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table> <p>(at 120Hz)</p>	Rated Voltage(V _{DC})	25	50	63	Z(-25°C)/Z(20°C)	2	2	2	Z(-40°C)/Z(20°C)	4	3	3
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Z(-25°C)/Z(20°C)	2	2	2										
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Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after rated DC voltage is applied for 2,000 hours at 85°C. During this test, the rated DC voltage shall be reversed on the capacitor every 250 hours.</p> <p>Capacitance change ≤ ±15% of the initial value Tanδ ≤ 150% of the initial specified value Leakage current ≤ The initial specified value</p>												
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 85°C for 1,000 hours without voltage applied.</p> <p>Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ 200% The of initial specified value</p>												
Others	Satisfied characteristics KS C IEC 60384-4												

DIMENSIONS OF SSP Series

Unit(mm)

Marking : BLACK SLEEVE, WHITE INK

øD	10	12.5	16
ød	0.6	0.6	0.8
F	5.0	5.0	7.5
øD'	øD+0.5 max.		
L'	L+2.0 max.		

RATINGS OF SSP Series

μF \diagdown V _{DC}	25	50	63
1			10 × 12.5
1.5			10 × 12.5
2.2			10 × 12.5
3.3			10 × 12.5
4.7		10 × 12.5	10 × 16
6.8	10 × 12.5	10 × 16	10 × 20
10	10 × 16	10 × 16	12.5 × 20
15	10 × 16	10 × 20	12.5 × 20
22	10 × 20	10 × 20	12.5 × 25
33	10 × 20	12.5 × 20	16 × 25
47	10 × 20	12.5 × 20	16 × 25
68	12.5 × 20	12.5 × 25	16 × 31.5
100	12.5 × 25	16 × 25	16 × 35.5

↑ Case Size $\varnothing D \times L$ (mm)