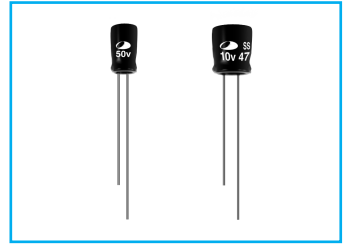
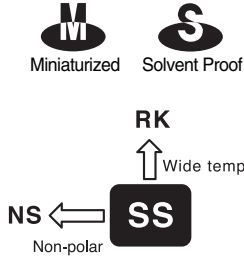


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



SS Standard, Height 7mmL Series

- Super miniature series with 7mmL height
- Suited for use in compact audio equipment
- Load life of 2000 hours at 85°C
- Complied to the RoHS directive



Item	Characteristics																		
Operating temperature range	-40 ~ +85°C																		
Leakage current max.	$I = 0.01CV$ or $4\mu A$ whichever is greater (after 1 minute)																		
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C																		
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35, 40</td> <td>50</td> <td>63</td> </tr> <tr> <td>tanδ</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </table>	WV	4	6.3	10	16	25	35, 40	50	63	tan δ	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.10
	WV	4	6.3	10	16	25	35, 40	50	63										
tan δ	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.10											
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16, 25</td> <td>35 ~ 63</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>6</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>12</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	WV	4	6.3	10	16, 25	35 ~ 63	Z-25°C/Z+20°C	6	4	3	2	2	Z-40°C/Z+20°C	12	8	6	4	3
WV	4	6.3	10	16, 25	35 ~ 63														
Z-25°C/Z+20°C	6	4	3	2	2														
Z-40°C/Z+20°C	12	8	6	4	3														
Load life (after application of the rated voltage for 2000 hours at 85°C)	Leakage current	Less than specified value																	
	Capacitance change	Within $\pm 20\%$ of initial value																	
	tan δ	Less than 200% of specified value																	
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4																		

● DRAWING (See page 92)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	4	6.3	10	16	25	35	40	50	63
1.0								4×7 14	4×7 14
1.5								4×7 17	4×7 17
2.2								4×7 21	4×7 21
3.3								4×7 25	4×7 25
4.7								4×7 30	4×7 30
6.8						4×7 33	4×7 33	4×7 37	5×7 42
10					4×7 37	4×7 40	4×7 40	5×7 51	5×7 51
15				4×7 43	4×7 46	5×7 57	5×7 57	6.3×7 72	6.3×7 72
22			4×7 46	4×7 52	5×7 64	5×7 69	6.3×7 80	6.3×7 88	
33	4×7 43	4×7 52	4×7 57	5×7 73	5×7 78	6.3×7 98	6.3×7 98		
47	4×7 51	4×7 62	5×7 78	5×7 87	6.3×7 108				
68	5×7 71	5×7 86	5×7 94	6.3×7 122					
100	5×7 86	5×7 104	6.3×7 132	6.3×7 148					
150	6.3×7 122	6.3×7 148	6.3×7 162						
220	6.3×7 148	6.3×7 179							

↑ Ripple current (mA rms) at 85°C, 120Hz
 — Case size $\varnothing D \times L$ (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

μF \ Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz \leq
~ 47	0.75	1.00	1.55	2.00	2.00	2.00
68 ~	0.80	1.00	1.35	1.50	1.62	1.75

MINIATURE TYPES