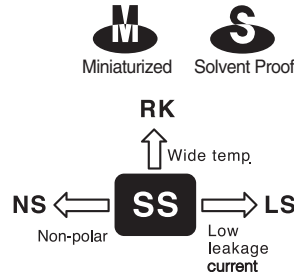


## SS Standard, Height 7mmL Series

- 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>tan<math>\delta</math></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 $\delta$	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 $\delta$	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 $\delta$	Less than 200% of specified value																	
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tan $\delta$ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4																		

### ● DRAWING (See page 91)

### ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

$\mu F$ \ 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

$\mu F$ \ 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