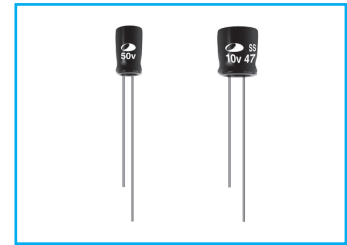
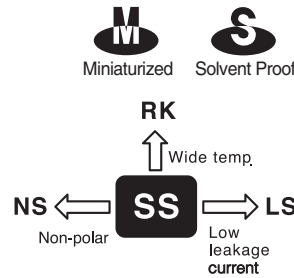


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

**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 4μA whichever is greater (after 1 minute)									
Capacitance tolerance	±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)	WV	4	6.3	10	16	25	35, 40	50	63	
	tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.10	
Low temperature characteristics (Impedance ratio at 120Hz)	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 ±20% of initial value								
	tanδ	Less than 200% of specified value								
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4									

● DRAWING (See page 107)

Unit : mm

## ● 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 ØD×L (mm)

## ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

μF \ Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz ≤
~ 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