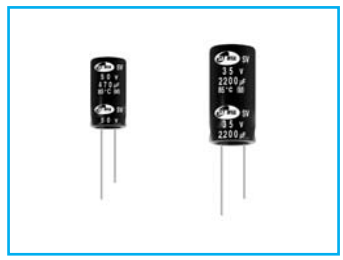
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

SV Low Profile Series

Solvent Proof

- Low profile case size
- Suited for automotive and portable devices
- Load life of 2000 hours at 85℃

SD (Low profile) ⇨ **SV** ⇨ RV (Wide temp.)



Item	Characteristics
Operating temperature range	-40 ~ +85℃
Leakage current max.	I = 0.01CV or 3㎂ whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz, 20℃)	Capacitance > 1000㎌ : tanδ increases by 0.03 for each 1000㎌ from below value.

WV	6.3	10	16	25	35	40	50
tanδ	0.26	0.22	0.18	0.16	0.14	0.14	0.12

Low temperature characteristics (Impedance ratio at 120Hz)

WV	6.3	10	16	25~50
Z-25℃/Z+20℃	4	3	2	2
Z-40℃/Z+20℃	10	8	6	4

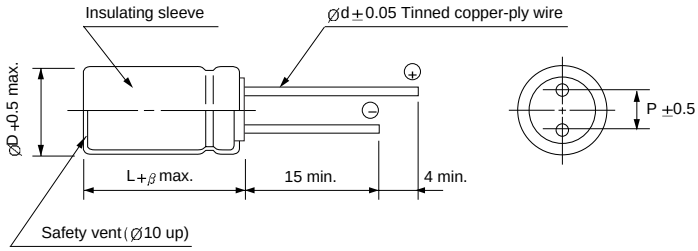
Load life (after application of the rated voltage for 2000 hours at 85℃)

Leakage current	Less than specified value
Capacitance change	Within ±20% of initial value
tanδ	Less than 200% of specified value

Shelf life (at 85℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.

DRAWING

Unit : mm



ØD	6.3	8	10	12.5	16	18
P	2.5	3.5	5.0	5.0	7.5	7.5
Ød	0.5	0.6	0.6	0.6	0.8	0.8
β	1.0		1.5			

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

㎌ \ WV	6.3		10		16		25		35		40		50	
15													6.3 ×9	72
22											6.3 ×9	81	6.3 ×9	87
33									6.3 ×9	99	6.3 ×9	99	8 ×9	125
47							6.3 ×9	111	8 ×9	138	8 ×9	138	8 ×9	149
68					6.3 ×9	126	8 ×9	155	8 ×9	166	10 ×9	188	10 ×9	203
100	6.3 ×9	127	6.3 ×9	138	8 ×9	177	8 ×9	188	10 ×9	228	10 ×9	228	10 ×9	247
150	6.3 ×9	155	8 ×9	197	8 ×9	217	10 ×9	262	10 ×9	280	10 ×9	280	10 ×9	302
220	8 ×9	219	8 ×9	238	10 ×9	299	10 ×9	317	10 ×9	339	12.5 ×16	489	12.5 ×16	529
330	8 ×9	268	10 ×9	331	10 ×9	366	10 ×9	388	12.5 ×16	599	12.5 ×16	599	12.5 ×16	647
470	10 ×9	363	10 ×9	395	10 ×9	436	12.5 ×16	669	12.5 ×16	715	12.5 ×16	715	16 ×16	865
680	10 ×9	437	10 ×9	475	12.5 ×16	759	12.5 ×16	805	16 ×16	963	16 ×16	963	16 ×16	1040
1000	12.5 ×16	766	12.5 ×16	832	12.5 ×16	920	16 ×16	1093	16 ×16	1168	18 ×16	1264	18 ×20	1471
1500	12.5 ×16	888	12.5 ×16	956	16 ×16	1168	16 ×16	1228	18 ×20	1514				
2200	16 ×16	1146	16 ×16	1225	16 ×16	1323	18 ×20	1611						
3300	16 ×16	1342	18 ×16	1544	18 ×20	1781								
4700	18 ×20	1792												

Ripple current (mA rms) at 85℃, 120Hz
Case size ØD×L (mm)