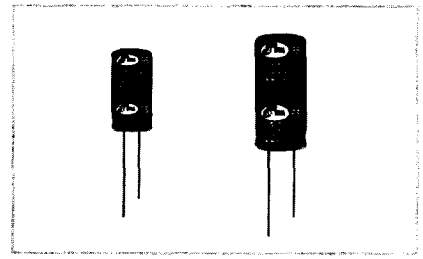
RS Long Life (7000 hours at 105°C) Series

- Load life of 7000 hours at 105°C
- High performance
- High ripple capability
- Designed for use in switching power supplies

Long Life Solvent Proof



Item	Characteristics
Operating temperature range	-55 ~ +105°C
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20°C
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000μF : tanδ increases by 0.02 for each 1000μF from below value

WV	10	16	25	35	50	63
tanδ	0.30	0.25	0.22	0.18	0.15	0.12

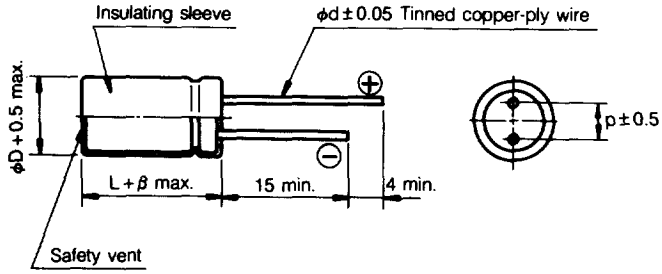
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25 ~ 63
	Z-25°C/Z+20°C	2	2	2
	Z-40°C/Z+20°C	5	4	3

Load life (after application of the rated voltage for 7000 hours at 105°C)		
	Leakage current	Less than specified value
	Capacitance change	Within ±30% of initial value
	tanδ	Less than 300% of specified value
	ø 8 products are for 5000 hours	

Shelf life (after leaving capacitors under no load at 105°C for 1000 hours)		
	Leakage current	Less than specified value
	Capacitance change	Within ±15% of initial value
	tanδ	Less than 150% of specified value

● DRAWING

Unit : mm



ø D	8	10	13	16	18
P	3.5	5.0	5.0	7.5	7.5
ø d	0.6	0.6	0.6	0.8	0.8
β	1.0	1.5			

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	10		16		25		35		50		63	
4.7									8 × 11.5	30	8 × 11.5	33
10									8 × 11.5	44	8 × 11.5	49
22									8 × 11.5	65	8 × 11.5	72
33							8 × 11.5	72	10 × 12.5	92	10 × 12.5	103
47					8 × 11.5	78	8 × 11.5	86	10 × 12.5	110	10 × 12.5	123
100	8 × 11.5	98	8 × 11.5	107	10 × 12.5	132	10 × 12.5	146	10 × 16	176	10 × 20	214
220	10 × 12.5	168	10 × 12.5	184	10 × 16	215	10 × 20	259	13 × 20	334	13 × 20	373
330	10 × 16	226	10 × 16	247	10 × 20	287	13 × 20	373	13 × 20	408	13 × 20	457
470	10 × 16	269	10 × 20	322	13 × 20	403	13 × 20	445	16 × 25	590	16 × 25	659
1000	13 × 20	503	13 × 20	551	16 × 25	710	16 × 25	785	16 × 31.5	941	18 × 35.5	1184
2200	16 × 25	847	16 × 25	918	16 × 35.5	1113	18 × 35.5	1297				
3300	16 × 31.5	1103	16 × 35.5	1248	18 × 40	1478						
4700	16 × 35.5	1345	18 × 35.5	1548								

Ripple current (mA rms) at 105°C, 120Hz
Case size ø D×L (mm)