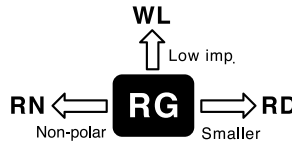
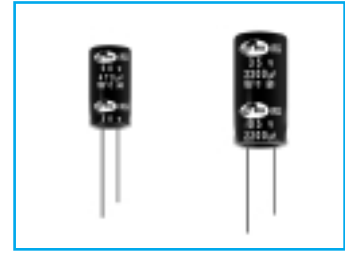


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

## RG Wide Temperature Range Series

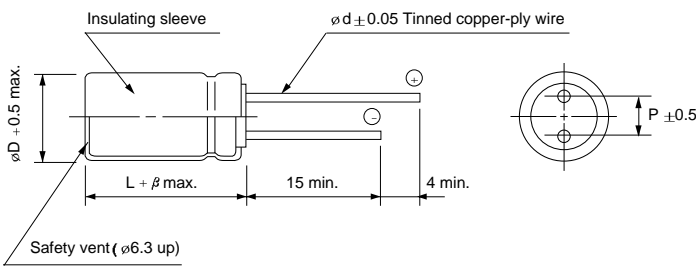
- Wide operating temperature range of -55 ~ +105°C
- Standard series for general purposes
- Voltage range of 6.3~450V
- Load life of 2000 hours at 105°C



Item	Characteristics										
Operating temperature range	WV	6.3 ~ 100	160 ~ 350	400, 450							
	Temperature range	-55 ~ +105°C	-40 ~ +105°C	-25 ~ +105°C							
Leakage current max.	WV ≤ 100		WV > 100								
	I = 0.01CV or 3μA whichever is greater (after 2 min) I = 0.03CV or 4μA whichever is greater (after 1 min)		I = 0.02CV+15μA (after 5 min)								
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	6.3	10	16	25	35	50	63	100	160~250	350~450
tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.20	
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25~100	160~350	400,450				
	Z-25°C/Z+20°C	4	3	2	2	3	8				
	Z-40°C/Z+20°C	8	6	4	3	4	—				
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current		Less than specified value								
	Capacitance change		Within ±20% of initial value								
	tanδ		Less than 200% of specified value								
	ø 5, 6.3 and ø 8 products are for 1000 hours										
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.										

### ● DRAWING

Unit : mm



øD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8
β	1.0		2.0				

### ● PERMISSIBLE RIPPLE CURRENT MULTIPLIERS

μF \ Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
~ 47	0.75	1	1.35	1.55	2.0
68 ~ 680	0.80	1	1.25	1.34	1.5
1000 ~	0.85	1	1.10	1.13	1.15

