

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

I14061 (SG)

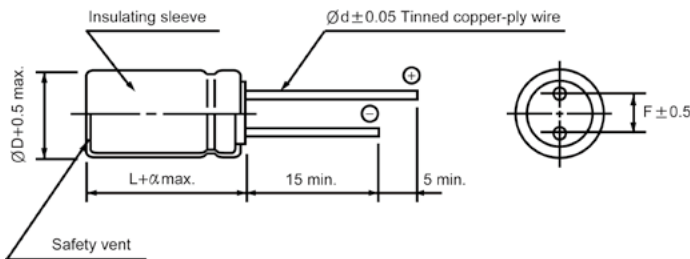
Long Life Series

- Load life
- For LED Lighting
- High reliability withstanding 20000 hours load life at 105°C
- Complied to the RoHS directive

Items	Performance characteristics				
Operating temperature range	-40 ~ +105°C				
Leakage current max.	I = 0.03CV or 4μA whichever is greater (after 1 minute)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	10	16	25	35
	Tanδ	0.20	0.16	0.14	0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35
	Z-25°C /Z+20°C	3	2	2	2
	Z-40°C /Z+20°C	3	3	3	3
Load life (after application of the rated voltage for 20000 hours at 105°C)	Leakage current	Less than specified value			
	Capacitance change	Within ±30% of initial value			
	Tanδ	Less than 300% of specified value			
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



ΦD	10	12.5	16	18
F	5.0	5.0	7.5	7.5
Φd	0.6		0.8	
α	2.0			

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency μF	120Hz	1kHz	10kHz	50kHz	100kHz≤
100 ~ 4700	0.75	0.80	0.90	0.95	1.00

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	10		16		25		35	
100					10×12.5	420	10×16	672
220			10×12.5	504	10×12.5	840	10×20	1008
330	10×12.5	504	10×16	672	10×16	1008	12.5×20	1344
470	10×12.5	672	10×20	806	10×20	1344	12.5×20	1680
680	10×16	806	12.5×20	1008	12.5×20	1008	12.5×25	1879
1000	10×20	1008	12.5×25	1680	12.5×25	1680	16×25	2184
2200	12.5×25	1680	16×25	2016	Case size ΦD×L(mm) Ripple current (mA rms) at 105°C, 100kHz			
3300	16×25	2016	16×31.5	2184				
4700	16×31.5	2184						