MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

I14071 (BK)

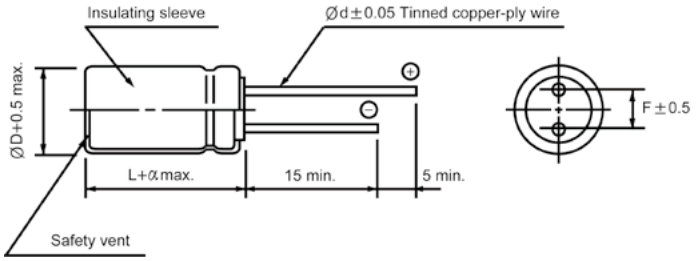
For PSU, High Temperature Series

· High reliability withstanding 5000 hours load life at 125℃
· Suitable for compact energy saving lamp
· Complied to the RoHS directive

Items	Performance characteristics
Operating temperature range	-25 ~ +125℃
Leakage current max.	I=0.03CV + 15μA (CV ⩽ 1000) I=0.02CV + 25μA (CV ＞ 1000) (after 5 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz,20℃)	WV: 160 / 200 / 250 / 350 / 400 / 450 Tanδ: 0.15 / 0.15 / 0.15 / 0.20 / 0.24 / 0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV: 160 / 200 / 250 / 350~450 Z-25℃ /Z+20℃: 3 / 3 / 3 / 6
Load life (after application of the rated voltage for 5000 hours at 125℃)	Leakage current: Less than specified value Capacitance change: Within ±20% of initial value Tanδ: Less than 200% of specified value 450WV:2000 hours.
Shelf life (at 125℃)	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
F	5.0	5.0	7.5
Φd	0.6		0.8
α	2.0		

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz≤
Coefficient	0.30	0.40	0.70	0.90	0.95	1.00

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / μF	160		200		250		350		400		450	
2.2							10×12.5	135	10×12.5	135		
3.3					10×12.5	135	10×16	180	10×16	150		
4.7	10×12.5	135	10×12.5	150	10×12.5 10×16	150 180	10×16 10×20	195 255	10×20	255	10×25	156
10	10×12.5 10×16	165 210	10×12.5 10×16	195 240	10×16 10×20	210 255	12.5×20	375	12.5×20	375	12.5×20	232
22	10×20	420	10×20	420	12.5×20	450					16×25	415
33	12.5×20	600	12.5×20	600	12.5×25	675	← Ripple current (mA rms) at 125℃ , 100kHz				16×31.5	548
47	12.5×25	780	12.5×25	780	↑		Case size ΦD×L(mm)					