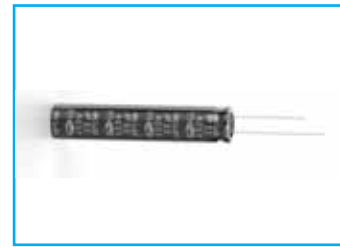


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



For Slim PSU, 2000 hours at 105°C Series

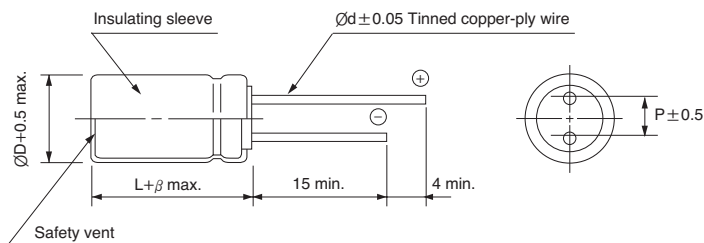
- High reliability withstanding 2000 hours load life at 105°C
- Suitable for Slim application
- Complied to the RoHS directive



Item	Characteristics				
Operating temperature range	-40 ~ +105°C (~250V), -25 ~ +105°C(350V~)				
Leakage current max.	$I = 0.02CV + 15\mu A$ (after 5 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	200 ~ 250	350 ~ 500		
	tanδ	0.15	0.20		
Low temperature characteristics (Impedance ratio at 120Hz)	WV	200 ~ 250	350	450	500
	Z(-25°C)/Z(+20°C)	3	8	8	8
	Z(-40°C)/Z(+20°C)	4	-	-	-
Load life	After an application of DC bias voltage plus the rated AC ripple current for 2000 hours at 105°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.				
	Leakage current	Less than specified value			
	Capacitance change	Within ±20% of initial value			
	tanδ	Less than 200% 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. The measurement shall be performed at 20°C by the KS C 6035 clause 5.4.				

● DRAWING

Unit : mm



ØD	8	10	12.5
P	3.5	5.0	5.0
Ød	0.6	0.6	0.6
	1.5	2.0	

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	200	250	350	450	500
16			8 × 40	145	8 × 40
22(21)		8 × 40	150	8 × 45	210
				10 × 30	250
39		8 × 45	215	10 × 45	350
47		8 × 50	250	10 × 45	380
53		10 × 40	375	10 × 50	395
56		10 × 40	395	10 × 50	405
60					
68		10 × 40	435	12.5 × 40	495
82		10 × 45	505	12.5 × 45	570
100	12.5 × 30	530	10 × 50	585	12.5 × 50
150		12.5 × 50	765		

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

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz
Coefficient	0.75	1.00	1.35	1.50	1.75	2.00