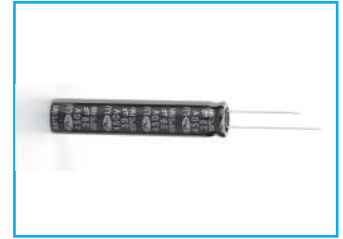


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For Slim PSU, 2000 hours at 105°C Series

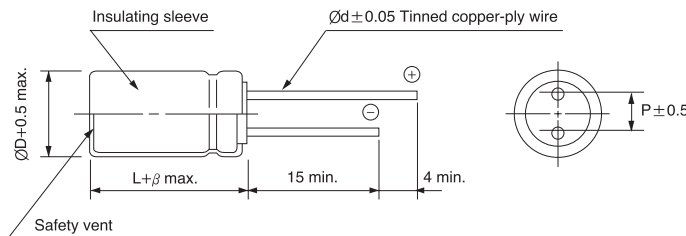
- High reliability withstanding 2000 hours load life at 105°C
- Suitable for Slim application
- Complied to the RoHS directive



Item	Characteristics				
Operating temperature range	-40 ~ +105°C(250V), -25 ~ +105°C(350~)				
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	450	500
	tanδ	0.15	0.20	0.20	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
β	1.5	2.0	

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	200		250		350		450		500	
16					8 × 40	145	8 × 40	165	10 × 50	155
22(21)			8 × 40	150	8 × 45	210	8 × 50 10 × 30	210 250	10 × 50	230
39			8 × 45	215	10 × 45	350	10 × 50	375	12.5 × 50	360
47			8 × 50	250	10 × 45	380	10 × 50	410	12.5 × 50	390
53			10 × 40	375	10 × 50	395	10 × 50	520	12.5 × 60	430
56			10 × 40	395	10 × 50	405	12.5 × 40	520	12.5 × 60	460
60									12.5 × 60	470
68			10 × 40	435	12.5 × 40	495	12.5 × 50	635		
82			10 × 45	505	12.5 × 45	570	12.5 × 50	700		
100	12.5 × 30	530	10 × 50	585	12.5 × 50	660	12.5 × 60	720		
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