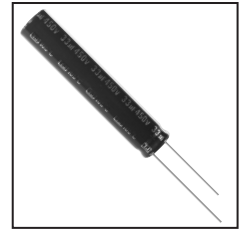


- 105°C high-temperature and high voltage 350~450WV, life 5000hrs.
- Specially Size, 10~16mm diameter.
- For LCD-TV and LCD-Monitor power.
- Corresponding product to RoHS

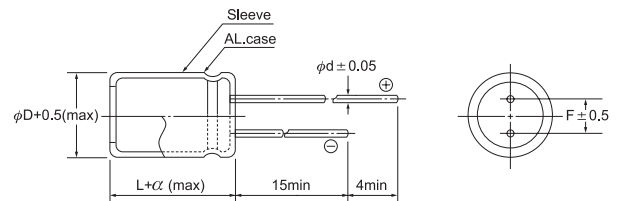


## ● SPECIFICATION

Item	Characteristic			
Operation Temperature Range	-40 ~ +105°C			
Rated Working Voltage	350 ~ 450VDC			
Capacitance Tolerance (120Hz 20°C)	±20%(M)			
Leakage Current (20°C)	$I \leq 0.06CV + 10 (\mu A)$ max Whichever is greater after 2 minutes			I : Leakage Current ( $\mu A$ ) C : Rated Capacitance ( $\mu F$ ) V : Working Voltage (V)
Surge Voltage (20°C)	W.V.	350	400	450
	S.V.	400	450	500
Dissipation Factor (tan $\delta$ ) (120Hz 20°C)	W.V.	350	400	450
	tan $\delta$	0.24	0.24	0.24
Low Temperature Stability	Impedance ratio at 120Hz			
	Rated Voltage (V)	350	400	450
	-25°C / +20°C	6	6	6
	-40°C / +20°C	6	6	-
Load Life	After 5000 hours application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage $\leq$ rate working voltage)			
	Capacitance Change	$\leq \pm 20\%$ of initial value		
	Dissipation Factor	$\leq 200\%$ of initial specified value		
	Leakage current	$\leq$ initial specified value		
Shelf Life	At + 105°C no voltage application after 1000 hours. the capacitors shall meet the limits for load life characteristics. (With voltage treatment)			

## ● DIMENSIONS (mm)

$\phi D$	10	12.5	16
F	5.0	5.0	7.5
d	0.6	0.6	0.8
$\alpha$	2.0	2.5	2.0



## ● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	65	75	85	95	105
Multiplier	1.80	1.65	1.50	1.25	1.00

Frequency (Hz)	120	1k	10k	100k
W.V.	Multiplier			
350~450	0.50	0.80	0.90	1.00

## ● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)  
 Max ripple current : mA(rms) 105°C 120Hz

$\mu F$	V(DC) Item	350		400		450	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
33				10x40	260	12.5x35	300
39	12.5x30	270	10x45	300	12.5x40	360	
			12.5x35	310			
47	10x45	300	10x50	330	12.5x50	370	
	12.5x35	320	12.5x40	350			
68	12.5x45	400	12.5x45	400	16x40	440	
	16x30	430	16x35	420			
82	12.5x50	450	16x40	550	16x45	620	
	16x35	500					
100	16x40	530	16x45	720	16x50	760	