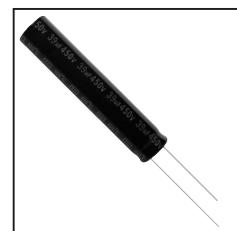


- 105°C high-temperature and high voltage 400~500V, life 2000hrs.
- Specially Size, 10~18mm diameter.
- For LCD-TV and LCD-Moniter power.
- Corresponding product to RoHS

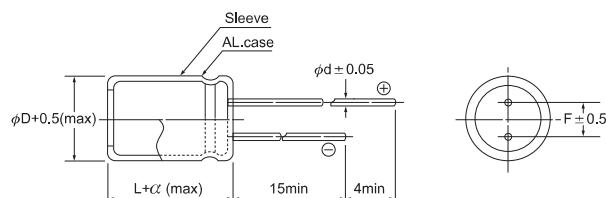


## SPECIFICATION

Item	Characteristic						
Operation Temperature Range	-40 ~ +105°C						
Rated Working Voltage	400 ~ 500VDC						
Capacitance Tolerance (120Hz 20°C)	±20%(M)						
Leakage Current (20°C)	$I \leq 0.03CV + 40 (\mu A)$ max Whichever is greater after 3 minutes			$I$ : Leakage Current ( $\mu A$ ) $C$ : Rated Capacitance ( $\mu F$ ) $V$ : Working Voltage (V)			
Surge Voltage (20°C)	W.V.	400	450	500			
	S.V.	450	500	550			
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	400	450	500			
	tan δ	0.20	0.20	0.20			
Low Temperature Stability							
Impedance ratio at 120Hz							
Rated Voltage (V)		400	450	500			
-25°C / +20°C		6	15	15			
-40°C / +20°C		10	-	-			
Load Life							
After 2000 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 for load life characteristics. (With voltage treatment)							

## DIMENSIONS (mm)

$\phi D$	10	12.5	16	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
$\alpha$	2.0	2.5	2.0	2.0



## RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	65	85	105
Multiplier	1.75	1.40	1.00

Frequency (Hz)	60	120	1k	$\geq 10k$
W.V.	Multiplier			
400~500	0.70	1.00	1.30	1.80

## ● CASE SIZE &amp; MAX RIPPLE CURRENT

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

V(DC) μF	400		450		500	
	DxL	R.C.	DxL	R.C.	DxL	R.C.
22	10x30	150	10x35	153	12.5x35	158
33	10x40	192	10x45	198	12.5x45	162
39	10x45	235	10x50	250	12.5x50	168
	12.5x35	250	12.5x40	265		
47	10x50	285	12.5x45	305	16x40	175
	12.5x40	282	16x35	290		
68	12.5x45	340	16x35	490	16x45	180
	16x35	330				
82	12.5x50	365	16x40	490	16x50	190
	16x35	385				
100	16x40	468	16x50	640	18x45	200
120	16x40	550	16x50	650	18x50	220