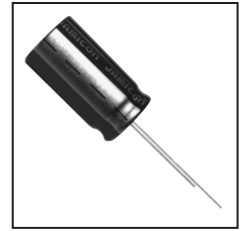


- Endurance: 105°C 8,000 to 10,000 Hours
- Suitable for electronic ballast, adaptor and switching power
- Corresponding product to RoHS

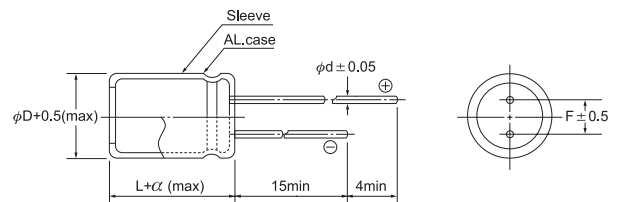


## ● SPECIFICATION

Item	Characteristic								
Operation Temperature Range	-40 ~ +105°C				-25 ~ +105°C				
Rated Working Voltage	160 ~ 400VDC				450VDC				
Capacitance Tolerance (120Hz 20°C)	±20%(M)								
Leakage Current (20°C)	$I \leq 0.06CV + 10 (\mu A)$ 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.	160	200	250	350	400	450		
	S.V.	200	250	300	400	450	500		
Dissipation Factor (tan $\delta$ ) (120Hz 20°C)	W.V.	160	200	250	350	400	450		
	tan $\delta$	0.15	0.15	0.15	0.24	0.24	0.24		
Low Temperature Stability	Impedance ratio at 120Hz								
	Rated Voltage (V)		160 ~ 250			350 ~ 400		450	
	-25°C / +20°C		3			6		6	
	-40°C / +20°C		4			6		—	
Load Life	After hours ( $\phi D=10\text{mm}$ 8000 hours $\phi D \geq 12.5\text{mm}$ 10000 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	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
$\alpha$	1.5	2.0	2.0	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			
160~450	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 100kHz

μF	V(DC) Item	160		200		250	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
10		10x16	250	10x16	250	10x20	280
22		10x20	500	10x20	500	12.5x20	600
33		10x20	500	12.5x20	600	12.5x20	600
47		12.5x20	660	12.5x20	660	12.5x25	720
	16x20					720	
68		12.5x25	760	12.5x25	760	16x25	920
		16x20	760	16x20	760	18x20	920
100		16x25	1120	16x25	1120	16x32	1200
		18x20	1120	18x20	1120	18x25	1200
150		16x32	1360	16x32	1360	18x32	1500
		18x25	1360	18x25	1360		
220		16x32	1400	18x32	1700		
		18x25	1400				

μF	V(DC) Item	350		400		450	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
6.8		10x16	220	10x16	220	10x20	150
10		10x20	280	10x20	280	12.5x20	320
22		12.5x20	350	12.5x25	430	16x25	560
				16x20	430	18x20	560
33		16x20	500	16x25	640	16x32	700
				18x20	640	18x25	700
47		16x25	660	16x32	840	18x32	880
		18x20	660	18x25	840		
68		16x32	850	18x32	1000	18x36	1150
		18x25	850				