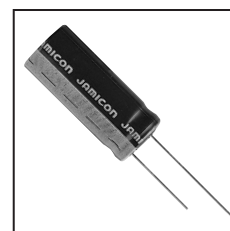


- Endurance : 105°C 10000~12000hours
- Recommended Applications : Electronic lighting and power
- Corresponding product to RoHS

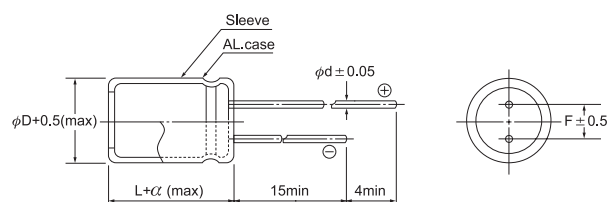


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +105°C							
Rated Working Voltage	160 ~ 450VDC							
Capacitance Tolerance (120Hz 20°C)	±20% (M)							
Leakage Current (20°C)	$I \leq 0.04CV + 100 (\mu A)$ *Whichever is greater after 2 minutes				I : Leakage Current (μA) C : Rated Capacitance (μF) 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 δ) (120Hz 20°C)	W.V.	160	200	250	350	400	450	
	tan δ	0.15	0.15	0.15	0.20	0.20	0.20	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	160	200	250	350	400	450	
	-25°C / +20°C	3	3	3	5	5	6	
	-40°C / +20°C	6	6	6	6	6	8	
Load Life	After 10000~12000 hours application of W.V. at +105°C, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)							
	D ϕ	10 ϕ			$\geq 12.5\phi$			
	Life (hours)	10000hrs			12000hrs			
	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 capacitor shall meet the limits for load life characteristics. (with voltage treatment)							

● DIMENSIONS (mm)

ϕD	10	12.5	16	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
α	1.5	2.0	2.0	2.0



● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	≤ 50	70	85	105
Coefficient	1.90	1.75	1.40	1.00

Frequency(Hz)	120	1k	10k	100k
Coefficient	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		350	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
6.8								10x16	280
10						10x16	320	10x20	350
15									
22				10x16	500	10x20	500	12.5x20	650
33		10x16	500	10x20	520	12.5x20	800	12.5x25	900
47		10x20	580	12.5x20	660	12.5x20	980	16x25	1000
68		12.5x20	720	12.5x25	720			16x32	1100
100		12.5x25	970	16x25	1120	16x25	1530		
150		16x25	1120	16x32	1620	18x25	1940		
220		16x32	1300	18x32	2080	18x36	2753		
330		18x36	1380			18x50	3912		
390				18x50	3380				
560		18x50	2086						

μF	V(DC) Item	400		450	
		DxL	R.C.	DxL	R.C.
6.8		10x16	140		
10		10x20	180	10x20	180
15				12.5x20	380
22		12.5x20	430	12.5x25	500
33		16x25	520	16x25	560
47		16x32	700	16x36	880
68		18x32	870	16x36	1110
100		18x50	1290	18x50	1560