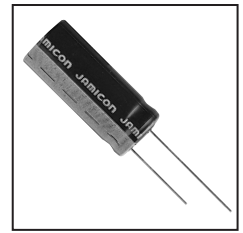


- Endurance : 125°C, 3000~5000hrs
- Recommended Applications : Applicable for Electronic Ballast, Lighting Ballast
- Corresponding product to RoHS

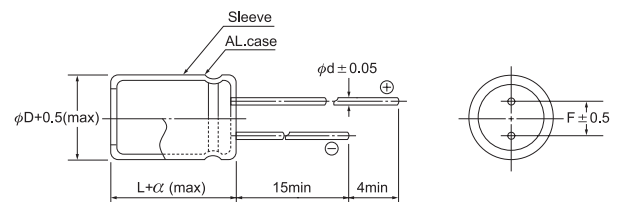


● SPECIFICATION

Item	Characteristic				
Operation Temperature Range	-40 ~ +125°C				
Rated Working Voltage	25 ~ 63VDC				
Capacitance Tolerance (120Hz 20°C)	±20% (M)				
Leakage Current (20°C)	I = 0.03CV or 4 μA				
	Whichever is greater after 1 minutes				
Surge Voltage (20°C)	W.V.	25	35	50	63
	S.V.	32	44	63	79
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF				
	W.V.	25	35	50	63
	tan δ	0.14	0.12	0.14	0.14
Low Temperature Stability	Impedance ratio at 120Hz				
	Rated Voltage (V)	25	35	50	63
	-25°C / +20°C	2	2	2	2
	-40°C / +20°C	4	4	4	4
Load Life	After 3000~5000 hours application of W.V. at +125°C, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)				
	L(height)	L ≤ 20mm		L ≥ 25mm	
	Life	3000hrs		5000hrs	
	Capacitance Change	≤ ±30% of initial value			
	Dissipation Factor	≤ 300% of initial specified value			
	Leakage current	≤ initial specified value			
Shelf Life	At +125°C no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)				

● DIMENSIONS (mm)

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



● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	≤70	85	105	125
Coefficient	1.9	1.75	1.40	1.00

Frequency(Hz)		120	1k	10k	100k
25~63WV	CAP:47~560μF	0.50	0.85	0.94	1.00
	CAP:620~1800μF	0.60	0.87	0.95	1.00
	CAP:2200~3900μF	0.75	0.90	0.95	1.00
	CAP:4700~6800μF	0.85	0.95	0.98	1.00

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max impedance : Ω 20°C 100kHz
 Max ripple current : mA(rms) 125°C 100kHz

μF \ V(DC) Item	25			35			50		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
470							12.5x20	0.095	1500
680				12.5x20	0.046	1820	12.5x25	0.078	1900
							16x20	0.073	2040
820							12.5x30	0.071	2150
1000				12.5x25	0.040	2280	12.5x35	0.064	2510
							16x25	0.061	2620
							18x20	0.069	2240
1200	12.5x20	0.046	1820	12.5x30	0.031	2560	12.5x40	0.058	2870
				16x20	0.036	2280	16x30	0.057	2940
							18x25	0.059	2750
1500				12.5x35	0.027	2970	16x36	0.053	3300
				18x20	0.036	2490			
1800	12.5x25	0.040	2280	12.5x40	0.023	3340	18x30	0.056	3140
	16x20	0.036	2280	16x25	0.028	2860			
2200	13x30	0.031	2560	16x30	0.025	3160	16x40	0.050	3720
				18x25	0.026	3010	18x36	0.052	3510
2700	12.5x35	0.027	2970	16x36	0.022	3590	18x40	0.048	3940
	16x25	0.028	2860	18x30	0.022	3390			
	18x20	0.036	2490						
3300	12.5x40	0.023	3340	16x40	0.018	3970			
	16x30	0.025	3160	18x36	0.020	3840			
3900	16x36	0.022	3590						
	18x25	0.026	3010						
4700	18x30	0.022	3390	18x40	0.017	4230			
5600	16x40	0.018	3970						
	18x36	0.020	3840						
6800	18x40	0.017	4230						

RADIAL TYPE

μF \ V(DC) Item	63		
	DxL	IMP.	R.C.
470	16x20	0.105	1790
680	16x25	0.085	2030
	18x20	0.095	1910
820	16x30	0.073	2330
1000	16x36	0.064	2580
	18x25	0.069	2280
1200	16x40	0.056	2900
	18x30	0.061	2580
1500	18x36	0.055	2890
1800	18x40	0.050	3210