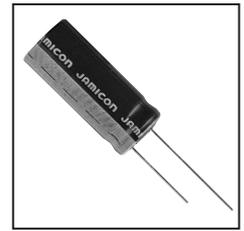


- Endurance : 130°C, 1000~4000hrs
- Recommended Applications : Applicable for Electronic Ballast, Lighting Ballast
- Corresponding product to RoHS

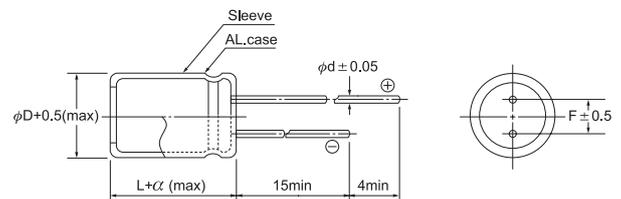


● SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +130°C					
Rated Working Voltage	10 ~ 50VDC					
Capacitance Tolerance (120Hz 20°C)	±20% (M)					
Leakage Current (20°C)	I = 0.03CV or 4 μA			I : Leakage Current (μA)		
	Whichever is greater after 1 minutes			C : Rated Capacitance (μF)		
Surge Voltage (20°C)	W.V.	10	16	25	35	50
	S.V.	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF					
	W.V.	10	16	25	35	50
	tan δ	0.20	0.16	0.14	0.12	0.10
Low Temperature Stability	Impedance ratio at 120Hz					
	Rated Voltage (V)	10	16	25	35	50
	-25°C / +20°C	3	2	2	2	2
	-40°C / +20°C	6	4	4	4	4
Load Life	After 1000~4000 hours application of W.V. at +130°C, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)					
	Dφ	5~6.3φ		8~10φ		≥ 12.5φ
	Life	1000hrs		2000hrs		4000hrs
	Capacitance Change	≤ ±30% of initial value				
	Dissipation Factor	≤ 300% of initial specified value				
	Leakage current	≤ initial specified value				
Shelf Life	At +130°C no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)					

● DIMENSIONS (mm)

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
α	1.5	1.5	1.5	1.5	2.0	2.0	2.0



● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	≤70	85	105	130
Coefficient	1.9	1.75	1.40	1.00

Frequency(Hz)		120	1k	10k	≥100k
10~50WV	22~47μF	0.55	0.75	0.90	1.00
	68~330μF	0.70	0.85	0.95	1.00
	470~1500μF	0.75	0.90	0.98	1.00
	2200~4700μF	0.80	0.95	1.00	1.00

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : mA(rms) 130°C 100kHz

μF	V(DC) Item	10		16		25		35	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
47						5x11	130		
68						6.3x11	170		
100								8x11	360
220						8x11	360	10x12.5	620
330		8x11	360	8x11	360	10x12.5	620	10x16	800
470		10x12.5	620	10x12.5	620	10x20	800	10x20	960
1000		10x20	960	10x20	960	12.5x25	1100	10x12.5	1430
2200		12.5x25	1430	12.5x25	1430	16x30	2300	16x35	2550
3300		16x25	1900	16x30	2300	16x35	2500	18x35	2800
4700		16x30	2300	16x35	2550				

μF	V(DC) Item	50	
		DxL	R.C.
22		5x11	200
33		6.3x11	250
47		8x11	300
		6.3x12	260
100		10x12.5	520
220		10x20	890
330		12.5x20	1000
470		12.5x25	1200
1000		16x30	2180
2200		18x40	2800