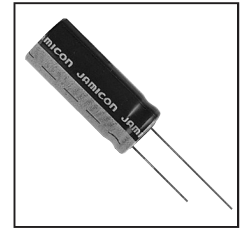


- High temperature 105°C and high reliability
- Corresponding product to RoHS



### SPECIFICATION

Item	Characteristic																	
Operation Temperature Range	-55 ~ +105°C					-40 ~ +105°C					-25 ~ +105°C							
Rated Working Voltage	6.3 ~ 100VDC					160 ~ 400VDC					450VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)																	
Leakage Current (20°C)	6.3~100 VDC I ≤ 0.01CV or 4 (μA)					160~450 VDC I ≤ 0.03CV + 40 (μA) max												
	*Whichever is greater after 3 minutes I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working Voltage(V)																	
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450			
	S.V.	8	13	20	32	44	63	79	125	200	250	300	400	450	500			
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF																	
	W.V.	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450			
	tan δ	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.08	0.15	0.15	0.15	0.20	0.20	0.20			
Low Temperature Stability	Impedance ratio at 120Hz																	
	Rated Voltage (V)	6.3				10		16		25		35~100		160~250		350~400		450
	-25°C / +20°C	4				3		2		2		2		3		6		15
	-40°C / +20°C	10				8		6		4		3		4		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 ≤ rate working voltage)																	
	Capacitance Change	≤ ±25% of initial value for 6.3~16 W.V., ≤ ±20% of initial value for 25~450 W.V.																
	Dissipation Factor	≤ 200% of initial specified value																
	Leakage current	≤ 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)																	

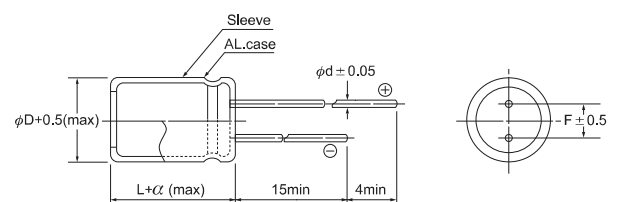
### DIMENSIONS (mm)

φD	5	6.3	8	10	12.5	16	18	20	22	25
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0	10.0	12.5
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0
α	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0

### RIPPLE CURRENT COEFFICIENTS

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

Frequency(Hz)	60	120	1k	≥10k
W.V.	Multiplier			
6.3~25V	0.85	1.00	1.10	1.20
35~100V	0.80	1.00	1.15	1.25
160~250V	0.75	1.00	1.25	1.40
350~450V	0.70	1.00	1.30	1.80



RADIAL TYPE