

RADIAL TYPE

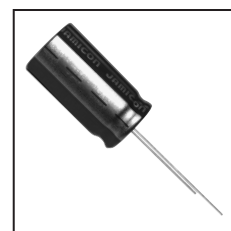
TF

Series

High Ripple Current, Long Life

JAMICON®

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

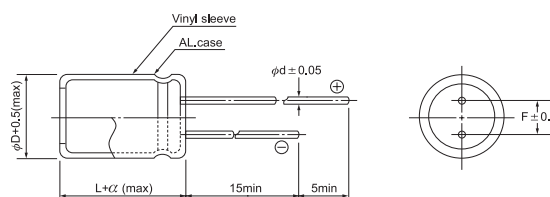


● SPECIFICATION

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 (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	0.24	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 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	1.5	1.5	1.5



● 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(Code)		160 (2C)		200 (2D)		250 (2E)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
10	100		10x16	250	10x16	250	10x20	280
22	220		10x20	500	10x20	500	12.5x20	600
33	330		10x20	500	12.5x20	600	12.5x20	600
47	470		12.5x20	660	12.5x20	660	12.5x25	720
							16x20	720
68	680		12.5x25	760	12.5x25	760	16x25	920
			16x20	760	16x20	760	18x20	920
100	101		16x25	1120	16x25	1120	16x31.5	1200
			18x20	1120	18x20	1120	18x25	1200
150	151		16x31.5	1360	16x31.5	1360	18x31.5	1500
			18x25	1360	18x25	1360		
220	221		16x31.5	1400	18x31.5	1700		
			18x25	1400				

μF	V(Code)		350 (2V)		400 (2G)		450 (2W)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
6.8	6R8		10x16	220	10x16	220	10x20	150
10	100		10x20	280	10x20	280	12.5x20	320
22	220		12.5x20	350	12.5x25	430	16x25	560
					16x20	430	18x20	560
33	330		16x20	500	16x25	640	16x31.5	700
					18x20	640	18x25	700
47	470		16x25	660	16x31.5	840	18x31.5	880
			18x20	660	18x25	840		
68	680		16x31.5	850	18x31.5	1000	18x35.5	1150
			18x25	850				