

RADIAL TYPE

TC

Series

Specially Size

JAMICON®

- 105°C high-temperature and high voltage 400~500VV, life 2000hrs.
- Specially Size, 10~18mm diameter.
- For LCD-TV and LCD-Monitor power.

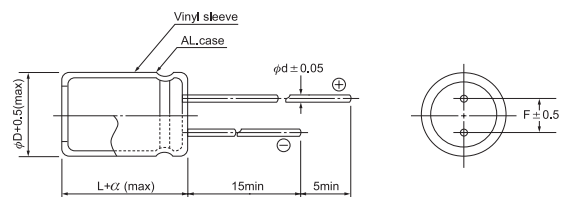


● SPECIFICATION

Item	Characteristic			
Operation Temperature Range	-40 ~ +105°C			
Rated Working Voltage	400 ~ 500VDC			
Capacitance Tolerance (120Hz 20°C)	±20%(M)			
Leakage Current (20°C)	$I \leq 0.03CV + 40 (\mu A) \text{ max}$ Whichever is greater after 3 minutes			I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)
Surge Voltage (20°C)	W.V.	400	450	500
	S.V.	450	500	550
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	400	450	500
	tan δ	0.20	0.20	0.20
Low Temperature Stability	Impedance ratio at 120Hz			
	Rated Voltage (V)	400	450	500
	-25°C / +20°C	6	15	15
	-40°C / +20°C	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 \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	85	105
Multiplier	1.75	1.40	1.00

Frequency (Hz)	60	120	1k	$\geq 10k$
W.V.	Multiplier			
400~500	0.70	1.00	1.30	1.80

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : mA(rms) 105°C 120Hz

μF	V(Code)		400 (2G)		450 (2W)		500 (2H)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
22	220		10x30	150	10x35	153	12.5x35	158
33	330		10x40	192	10x45	198	12.5x45	162
39	390		10x45	235	10x50	250	12.5x50	168
			12.5x35	250	12.5x40	265		
47	470		10x50	285	12.5x45	305	16x40	175
			12.5x40	282	16x35	290		
68	680		12.5x45	340	16x35	490	16x45	180
			16x35	330				
82	820		12.5x50	365	16x40	490	16x50	190
			16x35	385				
100	101		16x40	468	16x50	640	18x45	200
120	121		16x40	550	16x50	650	18x50	220