

RADIAL TYPE

TJ

Series

Specially Size

JAMICON®

- 105°C high-temperature and high voltage 350~450WV, life 5000hrs.
- Specially Size, 10~16mm diameter.
- For LCD-TV and LCD-Monitor power.

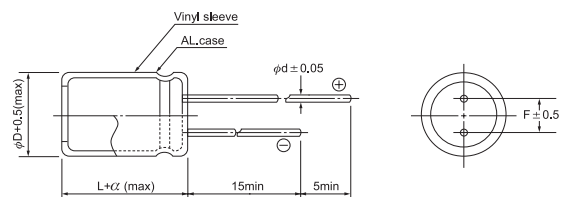


● SPECIFICATION

Item	Characteristic			
Operation Temperature Range	-40 ~ +105°C			
Rated Working Voltage	350 ~ 450VDC			
Capacitance Tolerance (120Hz 20°C)	±20%(M)			
Leakage Current (20°C)	$I \leq 0.06CV + 10 (\mu A) \text{ max}$ Whichever is greater after 2 minutes			I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)
Surge Voltage (20°C)	W.V.	350	400	450
	S.V.	400	450	500
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	350	400	450
	tan δ	0.24	0.24	0.24
Low Temperature Stability	Impedance ratio at 120Hz			
	Rated Voltage (V)	350	400	450
	-25°C / +20°C	6	6	6
	-40°C / +20°C	6	6	-
Load Life	After 5000 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
F	5.0	5.0	7.5
d	0.6	0.6	0.8
α	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			
350~450	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 120Hz

μF	V(Code)		350 (2V)		400 (2G)		450 (2W)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
33	330				10x40	260	12.5x35	300
39	390		12.5x30	270	10x45	300	12.5x40	360
					12.5x35	310		
47	470		10x45	300	10x50	330	12.5x50	370
			12.5x35	320	12.5x40	350		
68	680		12.5x45	400	12.5x45	400	16x40	440
			16x30	430	16x35	420		
82	820		12.5x50	450	16x40	550	16x45	620
			16x35	500				
100	101		16x40	530	16x45	720	16x50	760