

RADIAL TYPE

TA

Series

Specially Size

JAMICON®

- 105°C high-temperature and high voltage 350~450VV, life 10000hrs.
- Specially Size, 12.5~16mm diameter.
- For LCD-TV and LCD-Monitor power.

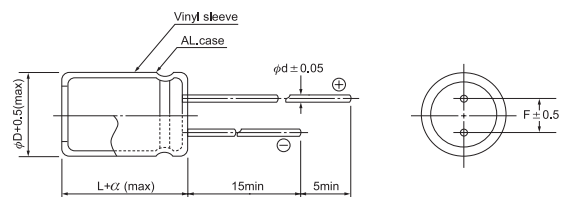


● SPECIFICATION

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			
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 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	12.5	16
F	5.0	7.5
d	0.6	0.8
α	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 100kHz

μF	V(Code)		350 (2V)		400 (2G)		450 (2W)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
33	330				12.5x30	600	12.5x40	700
39	390				12.5x35	650	12.5x45	700
47	470		12.5x35	600	12.5x45	800	12.5x50	880
68	680		12.5x45	800	12.5x50	900	16x40	1100
82	820		12.5x50	950	16x40	1100	16x45	1250
100	101		16x40	1100	16x50	1300	16x50	1550

www.signal.com.tw