

RADIAL TYPE

NT

Series

5mmL 85°C, Non Polarity

JAMICON®

ST ← NT → SS

- Non polarity series with 5mm height

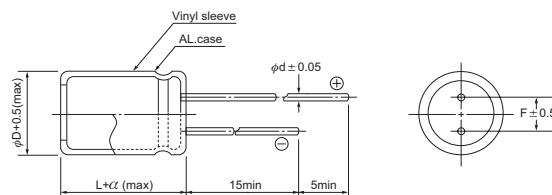


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +85°C							
Rated Working Voltage	6.3 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.05CV$ or $10 (\mu A)$				I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)			
	*Whichever is greater after 2 minutes							
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	6.3	10	16	25	35	50	
	tan δ	0.24	0.20	0.17	0.17	0.15	0.15	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35	50	
	-25°C / +20°C	4	3	2	2	2	2	
	-40°C / +20°C	10	8	6	4	3	3	
Load Life	After 1000 hours application of W.V. at +85°C, the capacitor shall meet the following limits. (The polarity need to exchange every 250 hours)							
	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 +85°C no voltage application after 500 hours the capacitor shall meet the limits for load life characteristics. (with voltage treatment)							

● DIMENSIONS (mm)

ϕD	4	5	6.3
F	1.5	2.0	2.5
d	0.45	0.45	0.45
α	1.0	1.0	1.0



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 85°C 120Hz

μF	V(Code) Item Code	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	
0.1	0R1										→	4x5	1	
0.22	R22										→	4x5	2	
0.33	R33										→	4x5	2.8	
0.47	R47										→	4x5	4	
1.0	010										→	4x5	8.4	
2.2	2R2							→	5x5	12	5x5	16	5x5	17
3.3	3R3							→	5x5	16	5x5	18	6.3x5	20
4.7	4R7					→	4x5	12	5x5	16	5x5	18	6.3x5	20
10	100	4x5	14	4x5	17	5x5	23	6.3x5	27	6.3x5	29			
22	220	5x5	28	6.3x5	33	6.3x5	37							
33	330	6.3x5	37	6.3x5	41	6.3x5	49							
47	470	6.3x5	45											

All blank voltage on sleeve marking is the same voltage as " → "point to.