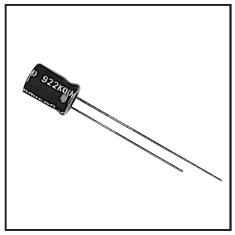
NS Series 7mmL 85°C, Non Polarity

JAMICON

- Non polanity series with 7mm height.
- Corresponding product to RoHS

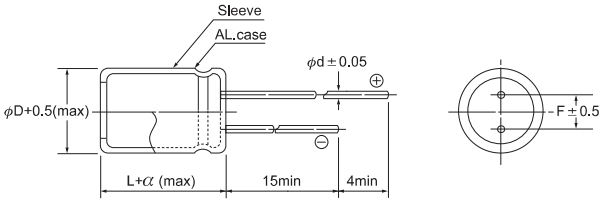


SPECIFICATION

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 ≦0.05CV or 10 (μA) *Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)						
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	0.15	0.12	0.12
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. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage) (The polarity need to exchange every 250 hours)						
	Capacitance Change	≦±20% of initial value					
	Dissipation Factor	≦150% of initial specified value					
	Leakage current	≦initial specified value					
Shelf Life	At +85°C no voltage application after 500 hours the capacitor shall meet the following limits. (with voltage treatment)						
	Capacitance Change	≦±20% of initial value					
	Dissipation Factor	≦200% of initial specified value					
	Leakage current	≦200% of initial specified value					

DIMENSIONS (mm)

φD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45	0.45	0.45	0.5
α	1.0	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

V(DC) / Item / μF	6.3		10		16		25		35		50	
	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
1.0										→	4x7	9
2.2								→	4x7	14	5x7	16
3.3						→	4x7	15	5x7	19	5x7	19
4.7				→	4x7	17	5x7	20	5x7	23	6.3x7	26
10		→	4x7	23	5x7	28	6.3x7	34	6.3x7	38	8x7	44
22	5x7	35	5x7	38	6.3x7	47	6.3x7	50	8x7	65	8x7	65
33	5x7	43	6.3x7	55	6.3x7	60	8x7	70	8x7	80		
47	6.3x7	60	6.3x7	65	6.3x7	70	8x7	85				
100	8x7	100	8x7	110	8x7	120						

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