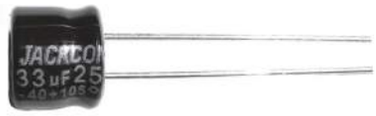
LNS 5mmL, Non-Polarized, 105℃



Features

- Non-polarized with 5 mm for crossover networks of high-pitched, mean and low pitched sounds in high-fidelity sound systems.
- The series offers excellent frequency characteristics and minimal.
- Capacitance deviation with frequency.

Specifications

Item	Performance Characteristics
Operating Temperature Range	-40 to +105°C
Rated voltage Range	6.3 to 50 VDC
Capacitance Range	0.1 to 47 μF
Capacitance Tolerance	±20%(120Hz, +20°C)
Leakage Current (+20°C, max.)	I≦0.05 CV or 10(μA) After 2minutes, whichever is greater measured with rated working voltage applied.
Dissipation Factor (tanδ)	(+20°C, at 120Hz)
Low Temperature Characteristics (at 120Hz)	Impedance ratio max.
Load Life	Test conditions Duration time :1000Hrs Ambient temperature:+105 °C Applied voltage: Rated DC working voltage to each polarity for 500Hrs After test requirements at +20 °C Capacitance change: ≦±20% of the initial measured value Dissipation factor: ≦200% of the initial specified value Leakage current: ≦The initial specified value
Shelf Life	Test conditions Duration time :1000 Hrs Ambient temperature:+105°C Applied voltage: None After test requirements at +20 °C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.

Working Voltage (VDC)	6.3	10	16	25	35	50
D.F.(%)max	25	25	20	18	15	15

Working Voltage (VDC)	6.3	10	16	25	35	50
Z (-25°C)/Z(+20°C)	4	3	2	2	2	2
Z (-40°C)/Z(+20°C)	12	8	6	4	4	4

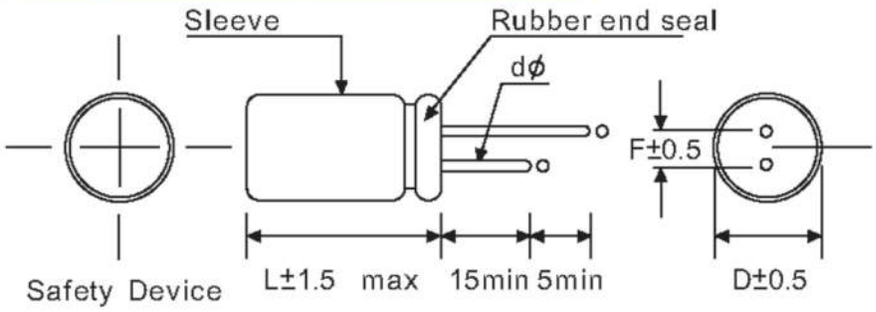
Multiplier for Ripple Current VS, Frequency

CAP(μF) \ Hz	50(60)	120	1K	10K≦
Multiplier	0.8	1.00	1.30	1.45

Multiplier for Ripple Current VS, Temperature

Temperature (°C)	40	65	85	105
Multiplier	2.0	1.6	1.25	1.00

Diagram of Dimensions: (Unit: mm)



Dϕ	4	5	6.3
F	1.5±0.5	2.0±0.5	2.5±0.5
dϕ	0.45		

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Case Size

φD x L (mm)

W.V. {S.V.} / μF	6.3 {8}		10 {13}		16 {20}		25 {32}		35 {44}		50 {63}	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	→		→		→		→		→		4x5	1.0
0.22	→		→		→		→		→		4x5	2.0
0.33	→		→		→		→		→		4x5	2.8
0.47	→		→		→		→		→		4x5	4.0
1	→		→		→		→		→		4x5	8.0
2.2	→		→		→		→		4x5	8	5x5	10
3.3	→		→		4x5	10	5x5	13	5x5	14	5x5	15
4.7	→		→		4x5	12	5x5	15	5x5	16	6.3x5	18
10	4x5	15	4x5	17	5x5	23	6.3x5	25	6.3x5	28	-	-
22	5x5	27	6.3x5	3	6.3x5	35	-	-	-	-	-	-
33	6.3x5	35	6.3x5	40	6.3x5	47	-	-	-	-	-	-
47	6.3x5	43	-	-	-	-	-	-	-	-	-	-

•Ripple Current (mA, rms) at 105°C 120Hz