



LNM 7mmL, Non-polar, 105°C



Features

- Non-polarized with 7 mm height for crossover networks of high-pitched, mean and low pitched sounds in high-fidelity sound systems.
- The series offers excellent frequency characteristics and minimal.

Specifications

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C						
Rated voltage Range	6.3 to 50 VDC						
Capacitance Range	0.1 to 220 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 rate working voltage applied.						
Dissipation Factor (tanδ)	Working Voltage (VDC)	6.3	10	16	25	35	50
	D.F.(%)max	25	25	20	18	15	15
(+20°C, at 120Hz)							
Low Temperature Characteristics (at 120Hz)	Impedance ratio max.						
	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	
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.						

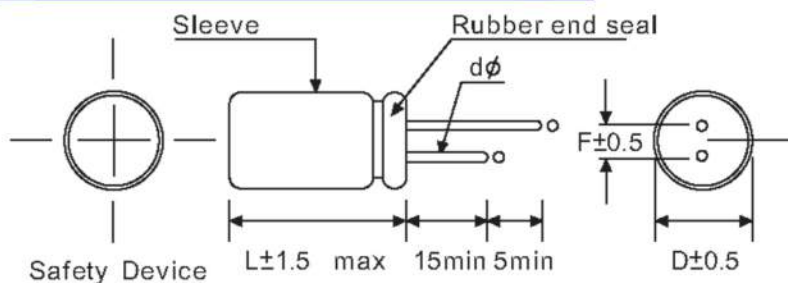
Multiplier for Ripple Current VS, Frequency

CAP(µF)/Hz		50 (60)	120	400	1K	10K	50K-100K
Multiplier	CAP ≤ 10	0.8	1.0	1.30	1.45	1.65	1.70
	10 < CAP ≤ 100	0.8	1.0	1.23	1.36	1.48	1.53
	100 < CAP	0.8	1.0	1.16	1.25	1.35	1.38

Multiplier for Ripple Current VS, Temperature

Temperature (°C)	40	65	85	105
Multiplier	2.0	2.0	1.6	1.0

Diagram of Dimensions: (Unit: mm)



Dφ	4	5	6.3	8
F	1.5±0.5	2.0±0.5	2.5±0.5	3.5±0.5
dφ	0.45	0.5		



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Case Size

φD x L (mm)

W.V. {S.V.}	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	→										4x7	1.0
0.22	→										4x7	2.0
0.33	→										4x7	3.5
0.47	→										4x7	5.0
1	→										4x7	10
2.2	→								4x7	14	4x7	14
3.3	→						4x7	14	5x7	16	5x7	20
4.7	→				4x7	18	5x7	21	6.3x7	22	6.3x7	27
10	4x7	24	4x7	24	5x7	30	6.3x7	35	6.3x7	37	8x7	44
22	5x7	30	5x7	40	6.3x7	51	6.3x7	53	8x7	58	8x7	60
33	5x7	40	6.3x7	55	6.3x7	63	8x7	68	8x7	70	-	-
47	6.3x7	56	6.3x7	63	6.3x7	72	8x7	82	-	-	-	-
100	8x7	85	8x7	90	8x7	95	-	-	-	-	-	-
220	8x7	120	-	-	-	-	-	-	-	-	-	-

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

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