



LNS Series 105°C

無極性超迷你型系列

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 uF																					
Capacitance Tolerance	±20%[120Hz +20 °C]																					
Leakage Current[+20°C.max.]	1 ≤ 0.05 CV or 10(uA) After 2minutes. Whichever is greater measured. With rate working voltage applied.																					
Dissipation Factor[tan δ]	<table border="1"> <tr> <td>Working Voltage [VDC]</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>D.F.[%]max</td> <td>26</td> <td>22</td> <td>20</td> <td>20</td> <td>20</td> <td>20</td> </tr> </table> [+20°C. At 120Hz]	Working Voltage [VDC]	6.3	10	16	25	35	50	D.F.[%]max	26	22	20	20	20	20							
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Low Temperature Characteristics [120Hz]	Impedance ratio max <table border="1"> <tr> <td>Working Voltage[VDC]</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> </tr> </table>	Working Voltage[VDC]	6.3	10	16	25	35	50	Z-25°C/Z+20°C	6	4	4	3	2	2	Z-40°C/Z+20°C	12	10	8	6	4	4
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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 % Capacitance change : ≤ ± 20% of the initial measured value(4v: ≤ ±30%) Dissipation factor: ≤ 200% of the initial specified value Leakage current: ≤ The initial specified value																					
Shelf Life	Test conditions Duration time :500 Hrs Ambient temperature :+105 °C Applied voltage: None After test requirements at +20 °C : Some limits as Load life. Pre-treatment for measurements shall be conducted after Application of DC working voltage for 30 minutes.																					

MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Fteq.(Hz)	60(50)	120	500	1K	10K
Coefficie	0.80	1.00	1.20	1.30	1.50

(2) Temperature Coefficient

Ambient Temper	50	70	85	105
Coefficient	2.10	1.78	1.65	1.00

