

ZN3760C Artificial Power Network (LISN) - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN3760C
Type: Artificial Power Network (LISN)
Frequency Range: 9kHz – 30MHz

The ZN3760C is a V-type 50Ω/50μH + 5Ω Artificial Power Network (LISN), used for conducting interference tests. It provides stable impedance within the specified frequency range and isolates the Device Under Test (DUT) from high-frequency noise on the power line, coupling the interference voltage to the receiver. The device meets the CISPR16-1 standard, equivalent to the national standard GB/T6113.1.

2. Technical Specifications

Parameter	Specification
Frequency Range	9kHz – 30MHz
Impedance Characteristics	50Ω/50μH + 5Ω
Impedance Error	±20% (See Impedance Characteristics Chart)
Phase Angle Error	±11.5° (See Chart)
Voltage Divider Ratio	See Chart
Isolation	0-40dB (0.009-0.05MHz); ≥40dB (0.05-30MHz)
Operating Current	Max 10A
Operating Voltage	AC 250V/0-60Hz; DC 400V
RF Output	N-type, 50Ω
Dimensions	310mm × 140mm × 360mm
Weight	7kg

3. Key Features

- **Stable Impedance:** Provides stable impedance in the specified frequency range for conducting interference tests.
 - **RF Isolation:** Isolates the DUT from high-frequency noise on the power line.
 - **Compliance with Standards:** Meets CISPR16-1 standard, equivalent to GB/T6113.1 for conducting interference tests.
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4. Panel Functions

1. Front Panel

- Ground Terminal
- Line Selection
- Measurement Output
- Power Output

2. Rear Panel

- Power Input
 - Grounding Plate
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5. Operating Instructions

1. Ensure that the grounding plane (PE) is in good contact with the grounding plate.
 2. Connect the lines as shown in the wiring diagram, and select either "N" or "L" line for measurement.
 3. After use, turn off the power to allow the device's capacitors to discharge and avoid electric shock.
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6. Caution

- Only trained personnel are allowed to operate this device.
 - Read the manual carefully before use and follow the connection instructions.
 - The device must be used in a ventilated, dry environment, and the PE grounding must be firmly connected.
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7. Standard Accessories

Item	Quantity
ZN3760C Main Unit	1 unit
User Manual	1 copy
N-N Test Cable (1m)	1 unit
Power Cable	1 unit
Certificate of Conformity	1 copy

8. Warranty

- Warranty Period:** 18 months from the date of shipment, covering defects under normal usage and transportation conditions.

9. Product Photo



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