

ZN3780C Artificial Power Network (LISN) - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN3780C
Type: Artificial Power Network (LISN)
Frequency Range: 150kHz – 110MHz

The ZN3780C is a V-type 50Ω/5μH + 1Ω Artificial Power Network (LISN) designed for conducted disturbance testing. It provides stable impedance within the specified frequency range, isolates the Device Under Test (DUT) from high-frequency noise on the power line, and couples the interference voltage to the receiver. The device complies with CISPR16-1-2:2014 standards, equivalent to the national standard GB/T6113.102-2018.

2. Technical Specifications

Parameter	Specification
Frequency Range	150kHz – 110MHz
Impedance Characteristics	50Ω/5μH + 1Ω
Impedance Error	±20% (Refer to Impedance Characteristics Chart)
Phase Angle Error	±11.5°
Voltage Divider Ratio	<3dB
Operating Current	Max 300A
Operating Voltage	AC 400V 50Hz; DC 1000V
RF Output	N-type, 50Ω
Dimensions	180mm × 180mm × 410mm
Weight	8kg

3. Key Features

- **Stable Impedance:** Provides stable impedance in the specified frequency range for conducted disturbance testing.
 - **High Isolation:** Effectively isolates high-frequency interference, ensuring separation of the DUT from noise on the power line.
 - **Compliance with Standards:** Meets CISPR16-1-2:2014 standards, equivalent to GB/T6113.102-2018.
-

4. Panel Functions

1. Front Panel

- Ground Terminal
- Power Output
- Measurement Output
- Grounding Plate
- Safety Protection Cover

2. Rear Panel

- Ground Terminal
 - Power Input
 - Safety Protection Cover
-

5. Operating Instructions

1. Securely connect the grounding plate on the device's bottom to the test system's grounding plate.
 2. First, connect the front panel ground terminal, then connect the power output, and cover with the safety protection cover.
 3. Connect the measurement output to the input of the measuring instrument.
 4. Turn on the power and conduct the measurement. If the level of interference signals is unknown, set the attenuator on the measuring instrument to its maximum setting before testing. Use a pulse limiter if necessary.
-

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 well-ventilated, dry environment, and the PE grounding must be securely connected. Safety warning signs should be displayed during operation.

7. Standard Accessories

Item	Quantity
ZN3780C Main Unit	1 unit
N-N Test Cable (1m)	1 unit
User Manual	1 copy

8. Warranty

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

9. Product Photo



Contact Information:
Beijing Daze Technology Co., Ltd.
Phone: 010-64357789
Fax: 010-64373942
Website: www.zn734.com.cn
Email: 781920339@qq.com