

ZN3380C Low Noise Preamplifier - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN3380C
Type: Low Noise Preamplifier
Frequency Range: 1kHz – 18GHz

The ZN3380C low noise preamplifier is specifically designed for small signal reception and measurement. It operates within the frequency range of 1kHz to 18GHz, with a minimum detectable signal amplitude of -127dBm. This preamplifier is ideal for applications requiring a wide dynamic range, such as shielding effectiveness testing.

2. Technical Specifications

Parameter	Specification
Frequency Range	1kHz – 18GHz
Minimum Detectable Level	-127dBm
Amplifier Gain	5kHz – 500MHz: 30±2.5dB
	500MHz – 1GHz: 28±2.5dB
	1GHz – 18GHz: 30±2.5dB
Input Signal	Should be lower than -60dBm
Power Supply	220V~ ±10%, 50Hz
Power Consumption	Less than 10W
Dimensions	145mm × 90mm × 240mm
Weight	Approx. 3kg

3. Key Features

- **Wide Frequency Range:** Covers 1kHz to 18GHz, suitable for a variety of measurement applications.
 - **High Sensitivity:** Capable of detecting signals as low as -127dBm.
 - **High Gain:** Provides up to 30dB amplifier gain, ensuring effective amplification of small signals.
 - **Low Power Consumption:** Consumes less than 10W, making it ideal for long-term operation.
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4. Operating Instructions

1. Front Panel

- 1kHz – 30MHz measurement button
- 30MHz – 1GHz measurement button
- 1GHz – 18GHz measurement button
- Signal input terminal (50Ω)
- Signal output terminal (50Ω)
- Power switch

2. Rear Panel

- Grounding terminal
- Power socket (AC220V 50Hz)
- Fuse holder (0.5A fuse)

3. Usage Precautions

Do not input signals stronger than -60dBm to avoid damage to the equipment.

5. Standard Accessories

Item	Quantity
ZN3380C Low Noise Preamplifier	1 unit
Power Cable	1 unit
Spare Fuse	1 piece
N-N Cable	1 unit

6. Warranty

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



Contact Information:

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