

ZN30601B High-Power Transmitting Antenna Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

The ZN30601B high-power transmitting antenna is a broadband antenna covering the **10 kHz – 100 MHz** frequency range. It is designed for scientific research, laboratories, electromagnetic compatibility (EMC) testing, and related applications. With its optimized structural design, the antenna offers **wide bandwidth, high power-handling capability, and excellent radiation characteristics**, ensuring stable operation in complex electromagnetic environments.

2. Technical Specifications

Parameter	Value
Model	ZN30601B
Operating Frequency Range	10 kHz – 100 MHz
Input Impedance	50 Ω
VSWR	≤ 2.0
Maximum Input Power	3 kW (continuous wave)
Polarization	Vertical, Horizontal
Antenna Type	High Power Transmitting
Connector Type	7/16 , Custom Make (optional)
Dimensions	1500 mm×900 mm×230mm
Weight	Approx. 28 kg
Operating Environment	Indoor/Outdoor, -10°C to +50°C
Storage Temperature	-40°C to +70°C
Installation Method	Base mount / Bracket mount
Protection Level	IP54

3. Main Features

- Wideband coverage (10 kHz – 100 MHz)
 - High power handling (up to 3 kW CW)
 - Rugged structure suitable for laboratory and outdoor environments
 - Easy installation and low maintenance cost
 - Excellent VSWR performance
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4. Standard Accessories

- ZN30601B transmitting antenna ×1
 - Mounting base ×1
 - N-type adapter ×1
 - User manual ×1
 - Certificate of conformity ×1
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5. Operation Instructions & Precautions

- Ensure proper grounding before operation.
 - Do not operate beyond the rated power for extended periods to avoid damage.
 - When used outdoors, avoid prolonged exposure to highly corrosive or extreme environments.
 - Installation and disassembly must be performed by qualified personnel to ensure safety.
 - For long-term storage, keep the antenna in a dry environment and protect it from dust and moisture.
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6. Warranty Policy

- This product is covered by a **12-month warranty** from the date of purchase. Under normal operating conditions, the manufacturer will provide free repair service for quality issues.
 - After the warranty period or for damages caused by improper use, repair costs will be charged accordingly.
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7. Product Images

