

ZN30700 — Double-Ridged Horn Antenna

PRODUCT DATASHEET | 1–12 GHz | ZHINAN

1–12 GHz broadband coverage	200 W maximum input power	N-type, 50 Ω interface
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1. Product Overview

The ZN30700 is a broadband double-ridged horn antenna for radiated transmit and receive measurements. It combines wide frequency coverage, low average VSWR and high power handling in a compact antenna assembly.

2. Technical Specifications

Parameter	Specification
Frequency range	1–12 GHz
Nominal impedance	50 Ω
Connector	N-type
Average VSWR	<1.5
Gain	Refer to measured performance curve
Antenna factor	Refer to measured performance curve
VSWR performance	Refer to measured performance curve
3 dB beamwidth	Refer to measured performance curve
Front-to-back ratio	>25 dB
Polarization isolation	>25 dB
Polarization	Horizontal / vertical
Maximum input power	200 W
Weight	Approx. 1 kg

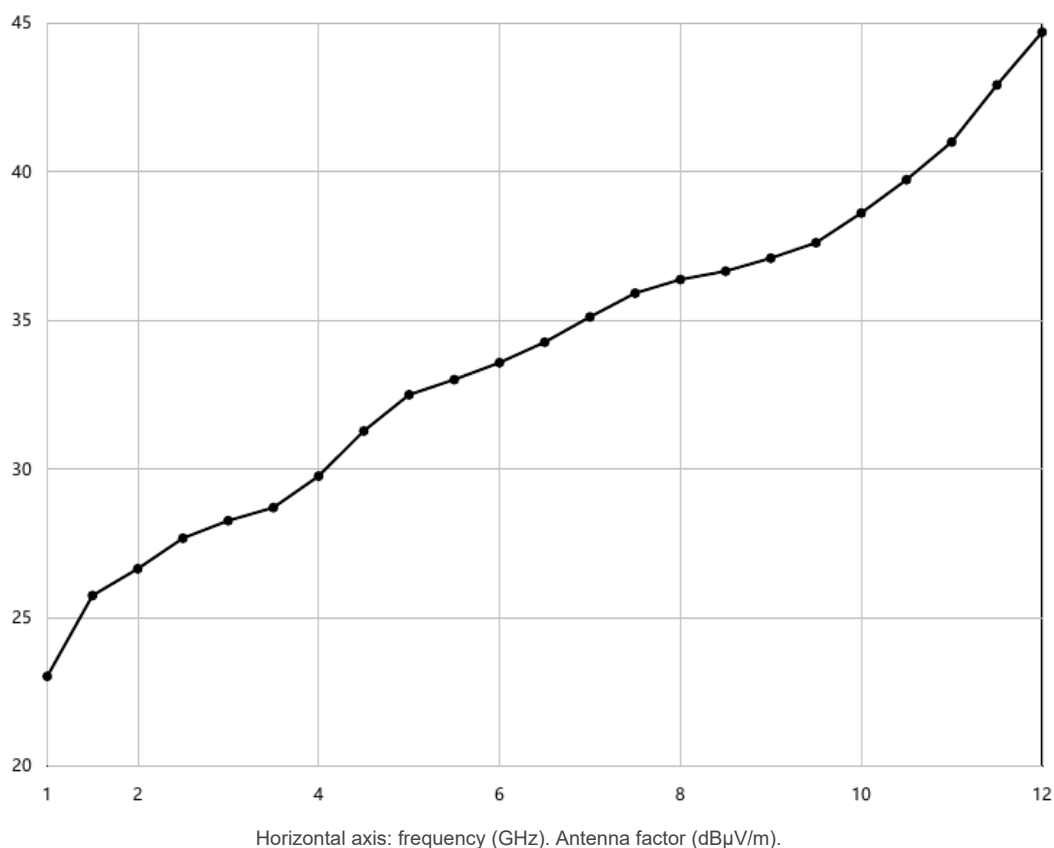
3. Typical Applications

- Broadband radiated emissions measurements
- Radiated-immunity and field-generation systems
- General RF transmit and receive measurements

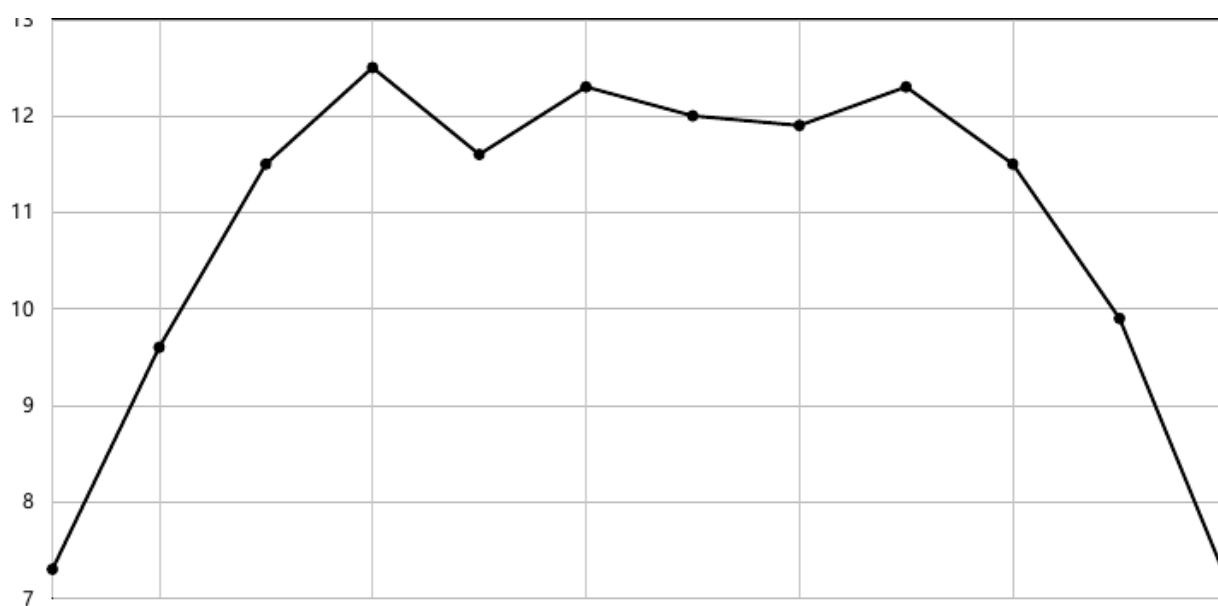
4. Standard Package

Item	Quantity / description
Antenna	1
Tripod	Optional
Test cable	Optional
Antenna adapter	1
User manual	1
Certificate of conformity	1

5. Antenna Factor

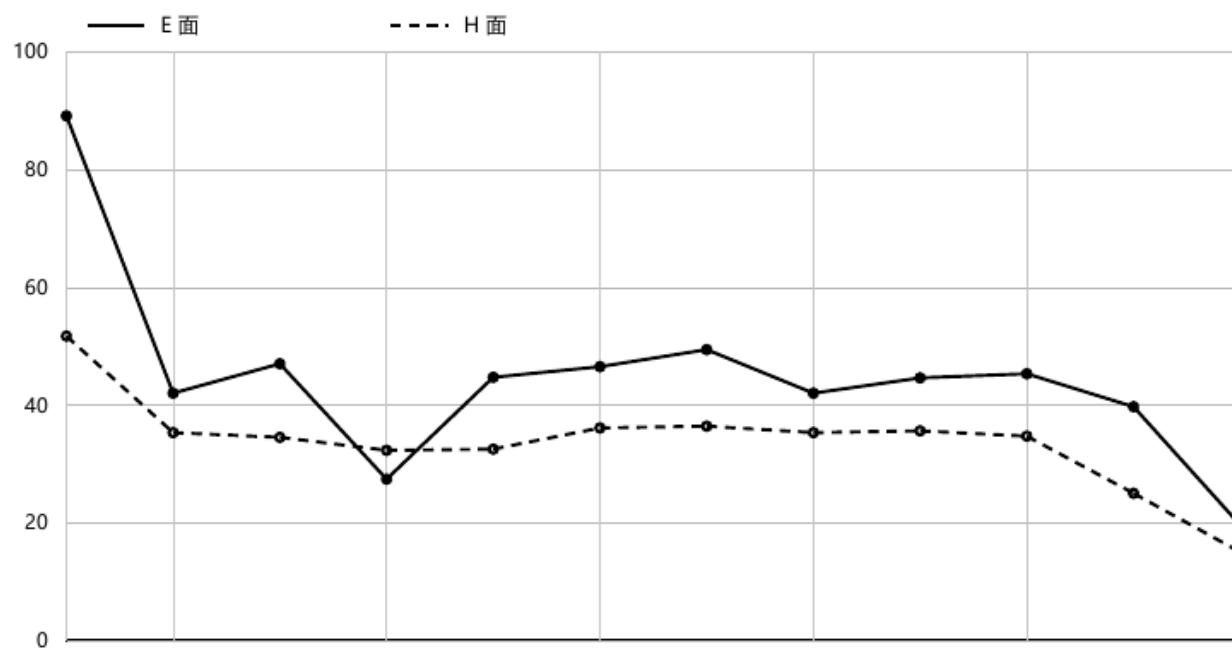


6. Antenna Gain

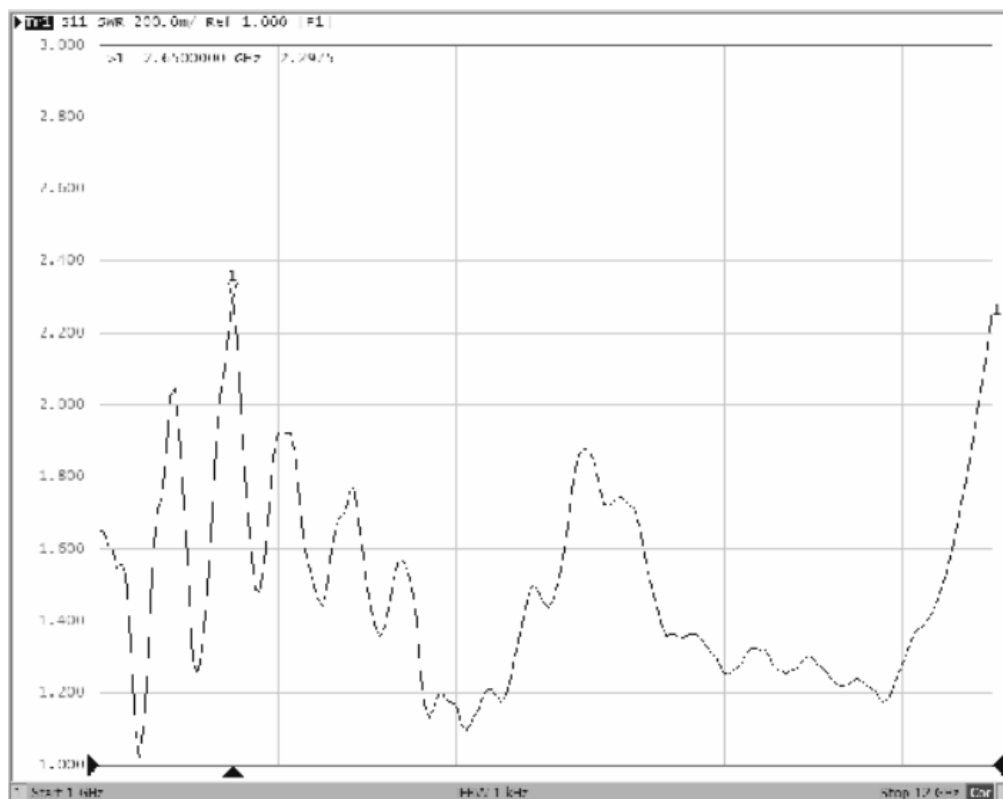


Horizontal axis: frequency (GHz). Gain (dB).

7. 3 dB Beamwidth



8. Measured VSWR Trace



Horizontal axis: frequency (GHz). Instrument trace retained from the original technical record.

9. Product Image



Performance curves are reproduced from the original Chinese technical record. No measured points have been interpolated or replaced.