

ZN30703B Pyramidal Horn Antenna

Product Datasheet

1. Overview

The ZN30703B pyramidal horn antenna covers 18-40 GHz and uses a 50 Ω K-type RF connector for high-frequency antenna testing and laboratory measurements. The photograph includes a support and base. Dimensions refer to the antenna; supplied configuration is subject to the agreed contract.

2. Technical Specifications

Parameter	Specification
Frequency range	18-40 GHz
Output impedance	50 Ω
RF connector	K-type female
VSWR	≤ 1.5 (average)
Gain	20 dB (typical, as stated in source)
Maximum power	20 W
Antenna dimensions	110.5 × 52 × 37 mm

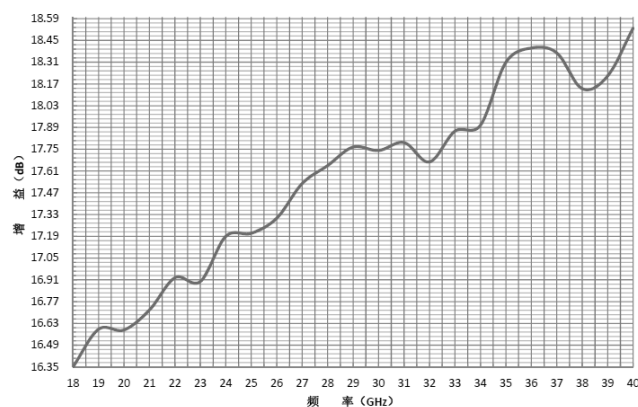
3. Features

Frequency coverage from 18 to 40 GHz.

K-type RF connector for measurement-system integration.

Original gain curve and all 23 measured points from the source document are included.

4. Gain Characteristics and Measured Data



频率GHz	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
增益dB	16.35	16.59	16.59	16.72	16.92	16.90	17.19	17.21	17.31	17.53	17.65	17.76
频率GHz	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	
增益dB	17.74	17.79	17.67	17.87	17.90	18.31	18.40	18.37	18.14	18.22	18.53	

Frequency / GHz	Gain / dB	Frequency / GHz	Gain / dB
18	16.35	30	17.74
19	16.59	31	17.79
20	16.59	32	17.67
21	16.72	33	17.87
22	16.92	34	17.9
23	16.9	35	18.31
24	17.19	36	18.4
25	17.21	37	18.37
26	17.31	38	18.14
27	17.53	39	18.22
28	17.65	40	18.53
29	17.76		

Note: the source specifies a typical gain of 20 dB; the original measured values are 16.35-18.53 dB. Both are retained without alteration.

5. Configuration and Contact

Antenna quantity, K-type connection accessories, non-metallic support and RF cables are supplied as agreed. User manual included. Service terms follow the contract.

Beijing Daze Technology Co., Ltd. | +86 10 6435 7789 | <https://zhinan-emc.com> | info@zhinan-emc.com

6. Product Photograph

