



Pyramidal Horn Antenna

Standard gain horn antenna with the possibility of two different surface finishes, Alodine 2040 or gold plated. H-A90-W20 standard gain horn antenna is made with precision and care with the latest technology to deliver accurate and reliable antenna measurements. The operating frequency is from 60 GHz up to 90 GHz with a flat Gain of 20 dBi. The H-A90-W20 can be supplemented with a corresponding Waveguide to Coax Adapter here. Compliant with NRL-4433 standard.

Features and Specifications

Technical Performance

- Low return loss
- Individual calibration

Design and Surface Treatment

- Corrosion-resistant coating
- Gold plated coating

Manufacturing Technology

- Manufactured using a high grade aluminum alloy
- Extremely durable

Product Packaging Includes

- Standard gain horn antenna

Product Parameters

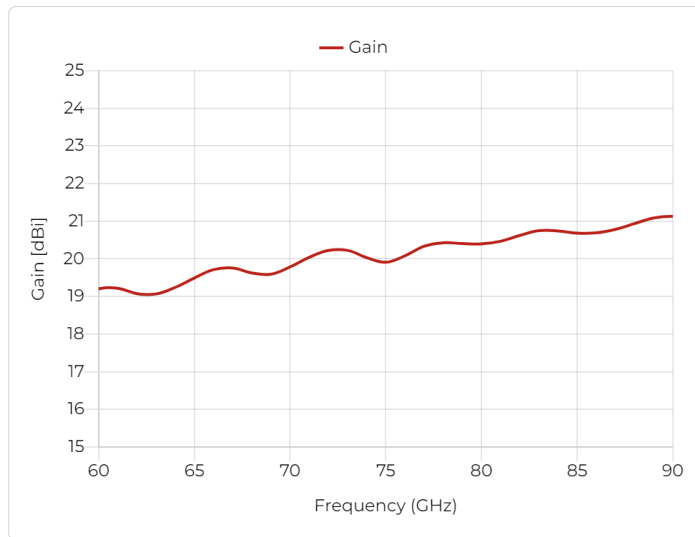
PRODUCT IDENTIFICATION	
Product Name	H-A90-W20
Product Category	Pyramidal Horn Antenna
ELECTRICAL SPECIFICATIONS	
Frequency Range	60 GHz – 90 GHz
VSWR (max.)	1.15
VSWR (avg.)	1.1
Waveguide Size	WR12
Waveguide Flange	UG-387/U flange
Polarization	Linear

PHYSICAL SPECIFICATIONS	
Width	21.6 mm (0.850 in)
Height	16.6 mm (0.654 in)
Depth	27.7 mm (1.091 in)
Weight	0.026 kg (0.057 lb)
OPERATING CONDITIONS	
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

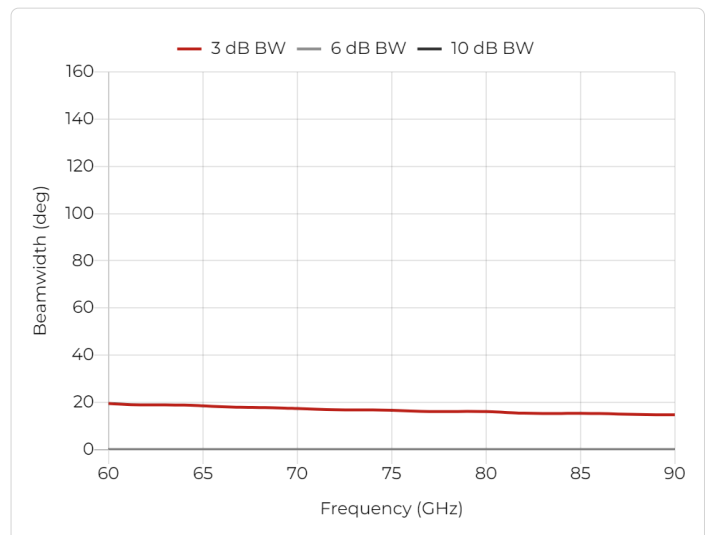
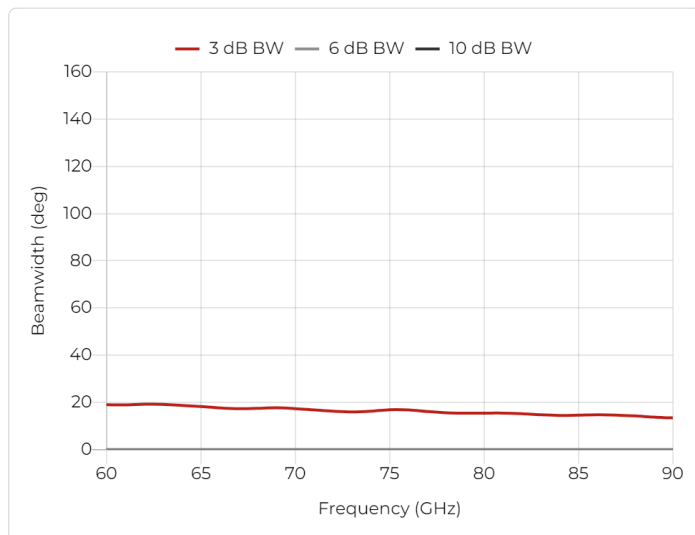
Parameters and Performance

Typical parameters

Gain



Beamwidth



Packaging and Accessories

What's in a box

- H-A90-W20 Antenna

Accessories

- Standard mounting flange

Custom services

- Custom mounting solutions
- Custom calibration data

Manufacturer Information

About Datasheet

Product information available also online at
<https://www.rfspin.com/product/h-a90-w/>

Data and specifications subject to change without notice.

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