



## Pyramidal Horn Antenna

Standard gain horn antenna with the possibility of two different surface finishes, Alodine 2040 or gold plated. H-A90-W 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 25 dBi. The H-A90-W can be supplemented with a corresponding Waveguide to Coax Adapter here. Compliant with NRL-4433 standard.

### Features and Specifications



#### Technical Performance

Wide bandwidth  
Low return loss



#### Design and Surface Treatment

Corrosion-resistant coating



#### Manufacturing Technology

Extremely durable



#### Product Packaging Includes

Antenna

### Product Parameters

#### PRODUCT IDENTIFICATION

Product Name	<b>H-A90-W25</b>
Product Category	<b>Pyramidal Horn Antenna</b>

#### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>60 GHz – 90 GHz</b>
VSWR (max.)	<b>1.15</b>
VSWR (avg.)	<b>1.1</b>
Waveguide Size	<b>WR10</b>
Waveguide Flange	<b>UG-387/U flange</b>
Polarization	<b>Linear</b>

#### PHYSICAL SPECIFICATIONS

Width	<b>33.6 mm (1.323 in)</b>
Height	<b>25.8 mm (1.016 in)</b>
Depth	<b>84.8 mm (3.339 in)</b>
Weight	<b>0.072 kg (0.159 lb)</b>

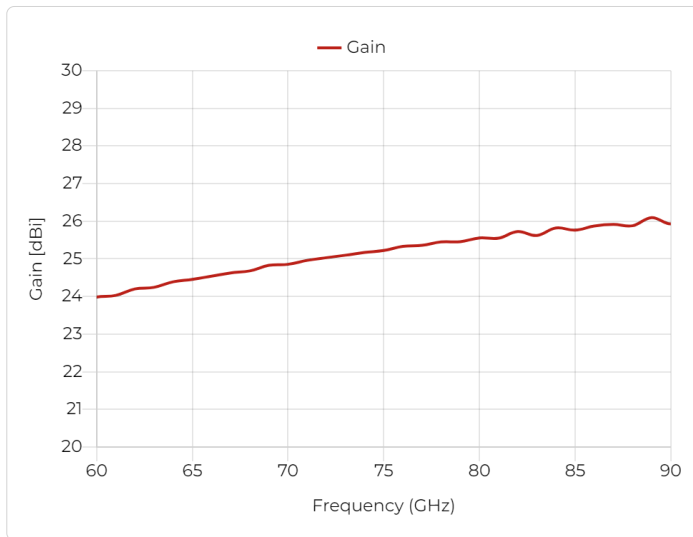
#### OPERATING CONDITIONS

Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>

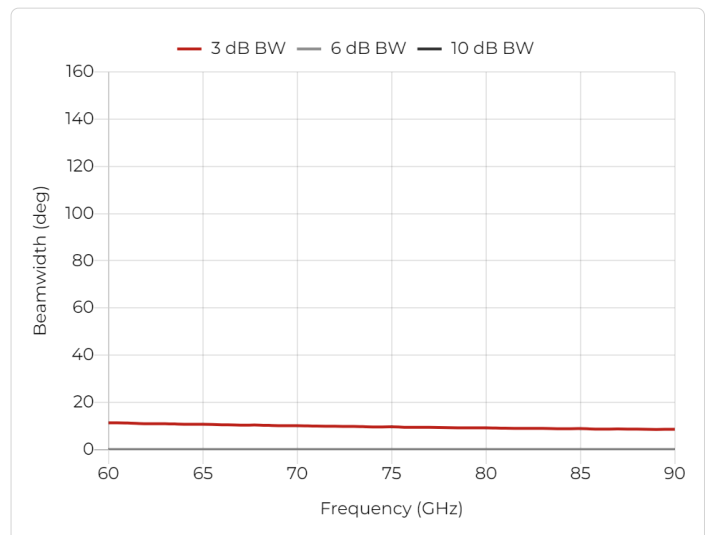
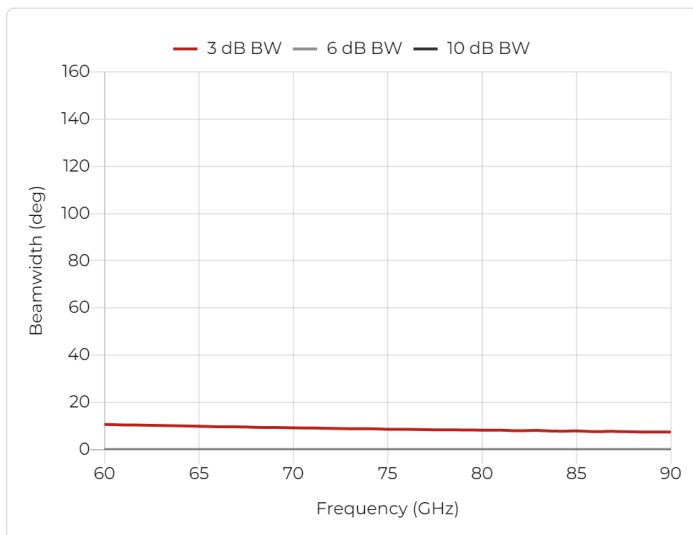
## Parameters and Performance

### Typical parameters

#### Gain



#### Beamwidth



## Packaging and Accessories

#### What's in a box

- H-A90-W25 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-w25/>

*Data and specifications subject to change without notice.*

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