



## Pyramidal Horn Antenna

Standard gain horn antenna with the possibility of two different surface finishes, Alodine 2040 or gold plated. H-A110-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 75 GHz up to 110 GHz with a flat Gain of 25 dBi. The H-A110-W can be supplemented with a corresponding Waveguide to Coax Adapter here. Compliant with NRL-4433 standard.

### Features and Specifications



#### Technical Performance

Low return loss



#### 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	<b>H-A110-W25</b>
Product Category	<b>Pyramidal Horn Antenna</b>

#### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>75 GHz – 110 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>27.8 mm (1.094 in)</b>
Height	<b>21.4 mm (0.843 in)</b>
Depth	<b>68.8 mm (2.709 in)</b>
Weight	<b>0.056 kg (0.123 lb)</b>

#### OPERATING CONDITIONS

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

### Packaging and Accessories

#### What's in a box

- H-A110-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-a110-w25/>

*Data and specifications subject to change without notice.*

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