H-A110-W Datasheet

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 20 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
- 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-A110-W**
Product Category	**Pyramidal Horn Antenna**

ELECTRICAL SPECIFICATIONS	
Frequency Range	**75 GHz – 110 GHz**
VSWR (max.)	**1.18**
VSWR (avg.)	**1.1**
Waveguide Size	**WR10**
Waveguide Flange	**UG-387/U flange**
Polarization	**Linear**

PHYSICAL SPECIFICATIONS	
Width	**17.9 mm (0.705 in)**
Height	**14.3 mm (0.563 in)**
Depth	**22.9 mm (0.902 in)**
Weight	**0.018 kg (0.040 lb)**

OPERATING CONDITIONS	
Rated Temperature Range	**0°C – +50°C**
Storage Temperature Range	**-20°C – +70°C**

Packaging and Accessories

What's in a box

- H-A110-W 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-w/

Data and specifications subject to change without notice.

Datasheet revision 07-2021.

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Address
RFspin s.r.o.
Na Beránce 57/2
160 00 Prague 6
Czech Republic

E-mail
info@rfspin.com

Phone
+420 245 008 847