



Pyramidal Horn Antenna

H-A40 is a pyramidal horn antenna covering frequencies from 26.5 GHz to 40 GHz. Design and manufacturing of the antenna were done with detail on quality and low price. This pyramidal horn antenna is lightweight and small in size, optimal as a feed horn for larger antenna structures such as parabolic antennas, as standard calibration antennas to measure the gain of other antennas.

Features and Specifications

**Technical Performance**

- Wide bandwidth
- Low return loss
- Individual calibration
- Covers 5G frequency band

**Design and Surface Treatment**

- Corrosion-resistant coating
- Includes standard mount

**Manufacturing Technology**

- Manufactured using a high grade aluminum alloy
- Extremely durable
- High quality K type coaxial connector

**Product Packaging Includes**

- Adapter with ¼ inch inner thread, supplied with antenna
- Linear polarized pyramidal horn antenna

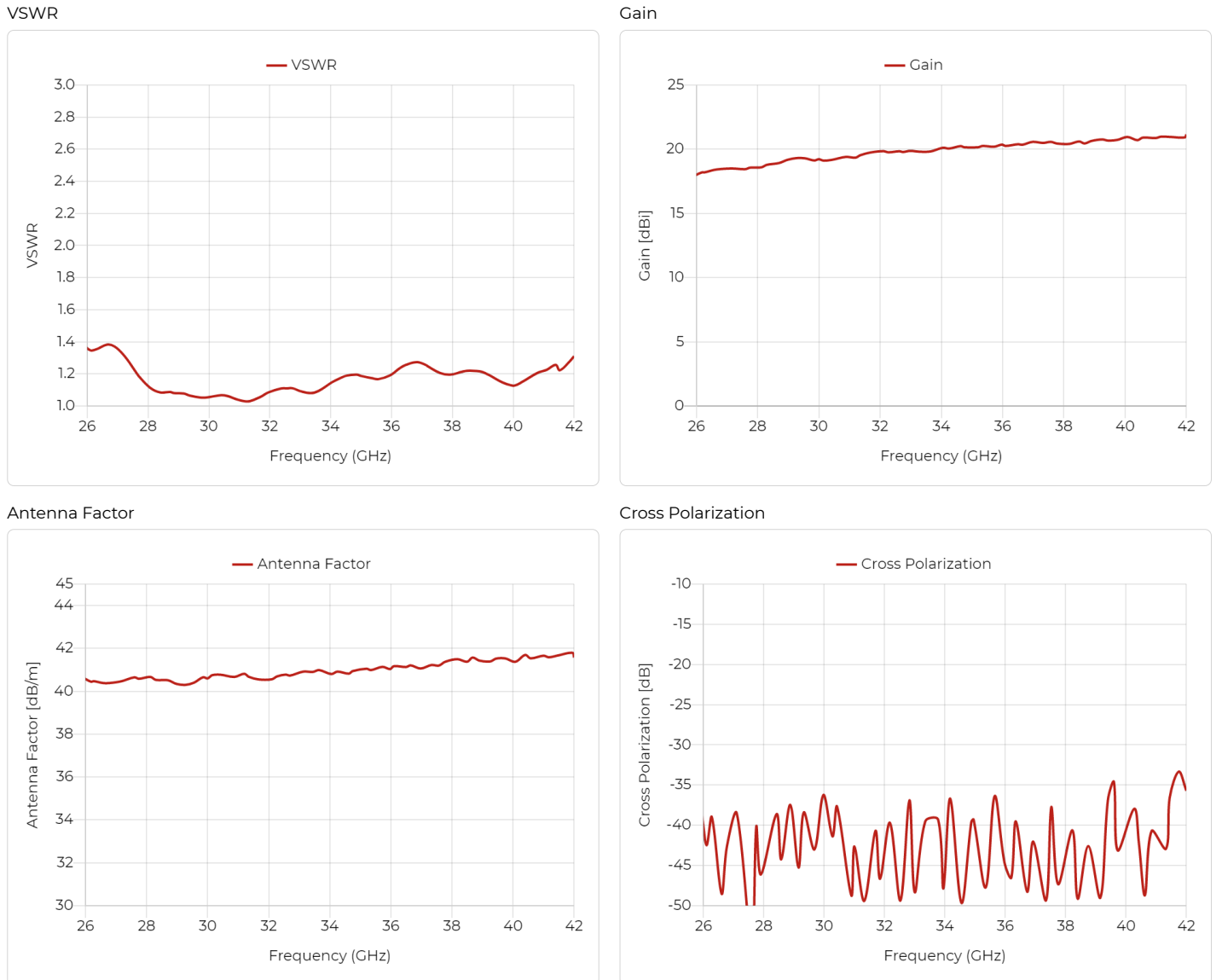
Product Parameters

PRODUCT IDENTIFICATION	
Product Name	<b>H-A40</b>
Product Category	<b>Pyramidal Horn Antenna</b>
ELECTRICAL SPECIFICATIONS	
Frequency Range	<b>26.5 GHz – 40 GHz</b>
VSWR (max.)	<b>1.3</b>
VSWR (avg.)	<b>1.15</b>
Impedance	<b>50 Ohm</b>
Connector	<b>K</b>
Power (CW / Peak)	<b>15 W / 30 W</b>
Antenna Factor	<b>40 – 42 dB/m</b>
Polarization	<b>Linear</b>

PHYSICAL SPECIFICATIONS	
Width	<b>39.7 mm (1.563 in)</b>
Height	<b>29 mm (1.142 in)</b>
Depth	<b>67.5 mm (2.657 in)</b>
Weight	<b>0.145 kg (0.320 lb)</b>
OPERATING CONDITIONS	
Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>
MOUNTING FLANGE	
Mounting	<b>Adapter with ¼ inch inner thread, supplied with antenna</b>

## Parameters and Performance

### Typical parameters



## Packaging and Accessories

### What's in a box

- H-A40 Antenna
- Antenna specific mount adapter with  $\frac{1}{4}$  inch inner thread
- Factory calibration certificate
- Full calibration report of each antenna
- QR code accessing online portal
- Calibration test dataset (available online)



Factory calibration report

### Custom services

- Custom mounting solutions
- Custom calibration data

### Accessories

- Standard mounting flange

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/h-a40/>

*Data and specifications subject to change without notice.*

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