



## TEM Horn Antenna

TEMH20 generates homogenous fields with high gain thanks to the dielectric lens. This allows close proximity radiation immunity evaluation testing.

### Features and Specifications



#### Technical Performance

- Wide bandwidth
- Low return loss
- Individual calibration



#### Design and Surface Treatment

- Corrosion-resistant coating
- Includes standard mount



#### Manufacturing Technology

- Extremely durable
- High quality 3.5mm type coaxial connector



#### Product Packaging Includes

- Adapter with 1/4 inch inner thread, supplied with antenna
- Linear polarized TEM horn broadband antenna

### Product Parameters

#### PRODUCT IDENTIFICATION

Product Name	<b>TEMH20</b>
Product Category	<b>TEM Horn Antenna</b>

#### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>1 GHz – 22 GHz</b>
VSWR (max.)	<b>1.2</b>
VSWR (avg.)	<b>2.6</b>
Impedance	<b>50 Ohm</b>
Connector	<b>3.5mm (female)</b>
Power (CW / Peak)	<b>25 W / 50 W</b>
Antenna Factor	<b>23.5 – 41 dB/m</b>
Polarization	<b>Linear</b>

#### PHYSICAL SPECIFICATIONS

Width	<b>112 mm (4.409 in)</b>
Height	<b>198 mm (7.795 in)</b>
Depth	<b>345 mm (13.583 in)</b>
Weight	<b>2.5 kg (5.512 lb)</b>

#### OPERATING CONDITIONS

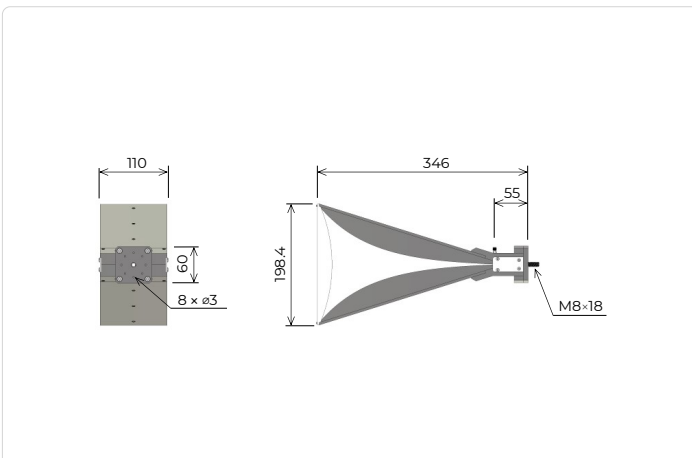
Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>

#### MOUNTING FLANGE

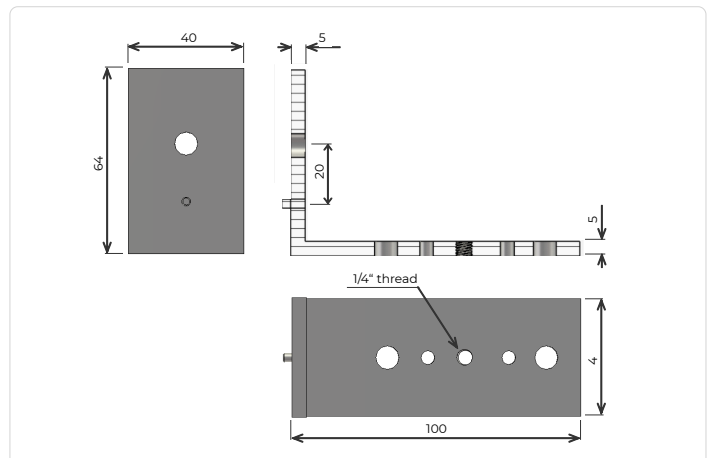
Mounting	<b>Adapter with 1/4 inch inner thread, supplied with antenna</b>
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### Mechanical Drawings

Antenna



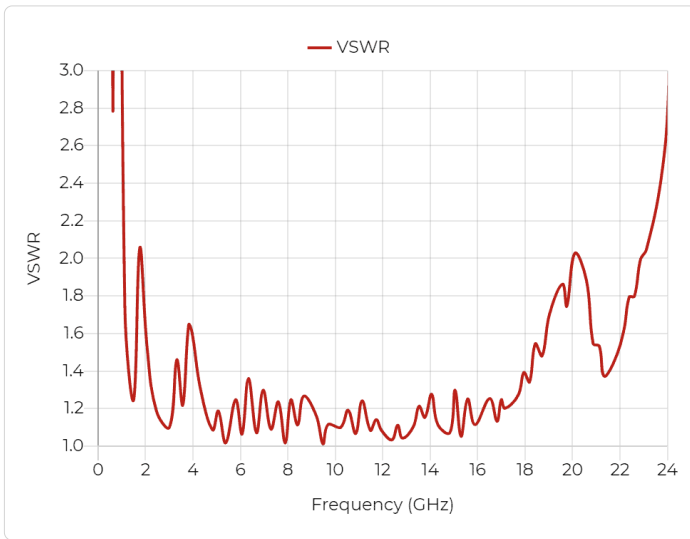
Mounting flange



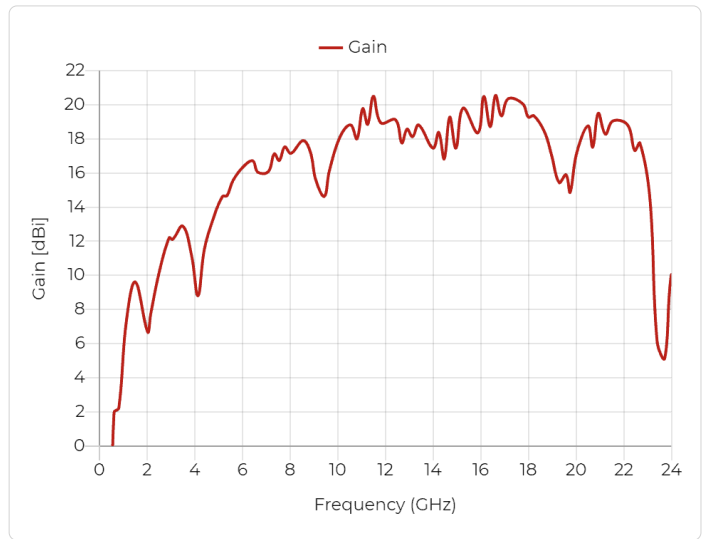
## Parameters and Performance

### Typical parameters

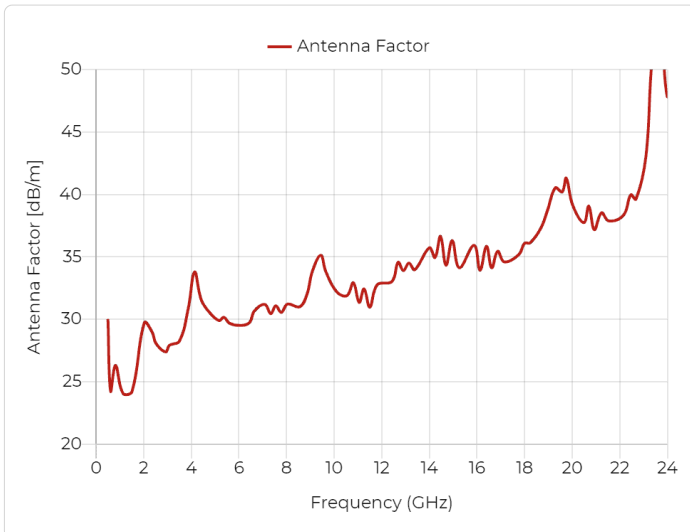
VSWR



Gain



Antenna Factor



## Packaging and Accessories

### What's in a box

- TEMH20 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)

### Accessories

- Standard mounting flange



Factory calibration report

### Optional Accessories

- FAS01 Antenna Stand
- PAS02 Antenna Stand

### Custom services

- Custom mounting solutions
- Custom calibration data

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/temh20/>

*Data and specifications subject to change without notice.*

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