



Double Ridged Horn Antenna

The DRH67 antenna combines small dimensions with high accuracy and perfect electrical parameters. For safe storage, it is placed in a tailor-made wooden box, which guarantees that your antenna will always be in the best condition.

Features and Specifications

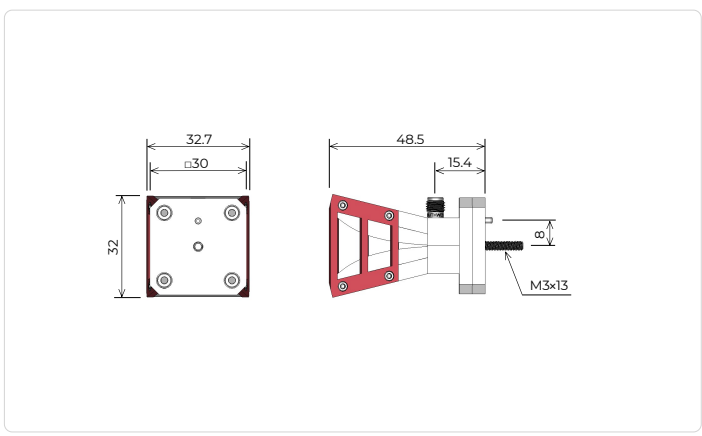
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Technical Performance</p> <ul style="list-style-type: none"> Wide bandwidth Low return loss Individual calibration Covers 5G frequency band | <p>Design and Surface Treatment</p> <ul style="list-style-type: none"> Corrosion-resistant coating Includes standard mount Storage in protective tailor-made wooden box | <p>Manufacturing Technology</p> <ul style="list-style-type: none"> Manufactured using a high grade aluminum alloy Extremely durable High quality 1.85mm type coaxial connector | <p>Product Packaging Includes</p> <ul style="list-style-type: none"> Adapter with ¼ inch inner thread, supplied with antenna Linear polarized double ridged broadband horn antenna |
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Product Parameters

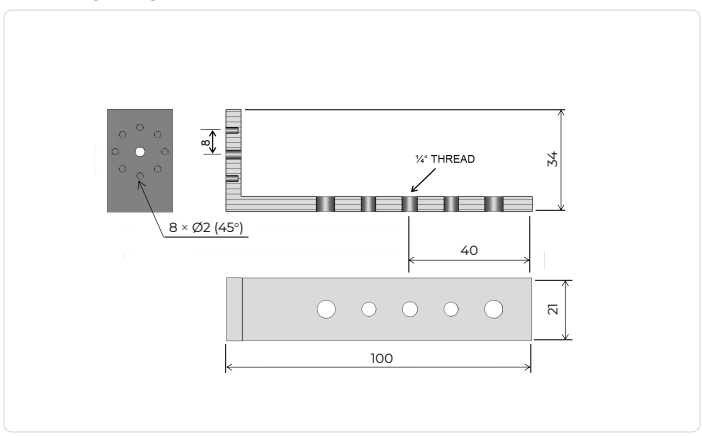
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| <p>PRODUCT IDENTIFICATION</p> <table border="1"> <tr> <td>Product Name</td> <td>DRH67</td> </tr> <tr> <td>Product Category</td> <td>Double Ridged Horn Antenna</td> </tr> </table> | | Product Name | DRH67 | Product Category | Double Ridged Horn Antenna | <p>PHYSICAL SPECIFICATIONS</p> <table border="1"> <tr> <td>Width</td> <td>32.7 mm (1.287 in)</td> </tr> <tr> <td>Height</td> <td>48.5 mm (1.909 in)</td> </tr> <tr> <td>Depth</td> <td>32 mm (1.260 in)</td> </tr> <tr> <td>Weight</td> <td>0.05 kg (0.110 lb)</td> </tr> </table> | | Width | 32.7 mm (1.287 in) | Height | 48.5 mm (1.909 in) | Depth | 32 mm (1.260 in) | Weight | 0.05 kg (0.110 lb) | | | | | | | | | | |
| Product Name | DRH67 | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Category | Double Ridged Horn Antenna | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>ELECTRICAL SPECIFICATIONS</p> <table border="1"> <tr> <td>Frequency Range</td> <td>6 GHz – 67 GHz</td> </tr> <tr> <td>VSWR (max.)</td> <td>1.9</td> </tr> <tr> <td>VSWR (avg.)</td> <td>1.35</td> </tr> <tr> <td>Impedance</td> <td>50 Ohm</td> </tr> <tr> <td>Connector</td> <td>1.85mm (female)</td> </tr> <tr> <td>Power (CW / Peak)</td> <td>5 W / 10 W</td> </tr> <tr> <td>Antenna Factor</td> <td>38.5 – 50.5 dB/m</td> </tr> <tr> <td>Polarization</td> <td>Linear</td> </tr> </table> | | Frequency Range | 6 GHz – 67 GHz | VSWR (max.) | 1.9 | VSWR (avg.) | 1.35 | Impedance | 50 Ohm | Connector | 1.85mm (female) | Power (CW / Peak) | 5 W / 10 W | Antenna Factor | 38.5 – 50.5 dB/m | Polarization | Linear | <p>OPERATING CONDITIONS</p> <table border="1"> <tr> <td>Rated Temperature Range</td> <td>0°C – +50°C</td> </tr> <tr> <td>Storage Temperature Range</td> <td>-20°C – +70°C</td> </tr> </table> <p>MOUNTING FLANGE</p> <table border="1"> <tr> <td>Mounting</td> <td>Adapter with ¼ inch inner thread, supplied with antenna</td> </tr> </table> | | Rated Temperature Range | 0°C – +50°C | Storage Temperature Range | -20°C – +70°C | Mounting | Adapter with ¼ inch inner thread, supplied with antenna |
| Frequency Range | 6 GHz – 67 GHz | | | | | | | | | | | | | | | | | | | | | | | | |
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| VSWR (avg.) | 1.35 | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance | 50 Ohm | | | | | | | | | | | | | | | | | | | | | | | | |
| Connector | 1.85mm (female) | | | | | | | | | | | | | | | | | | | | | | | | |
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| Antenna Factor | 38.5 – 50.5 dB/m | | | | | | | | | | | | | | | | | | | | | | | | |
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| Mounting | Adapter with ¼ inch inner thread, supplied with antenna | | | | | | | | | | | | | | | | | | | | | | | | |

Mechanical Drawings

Antenna



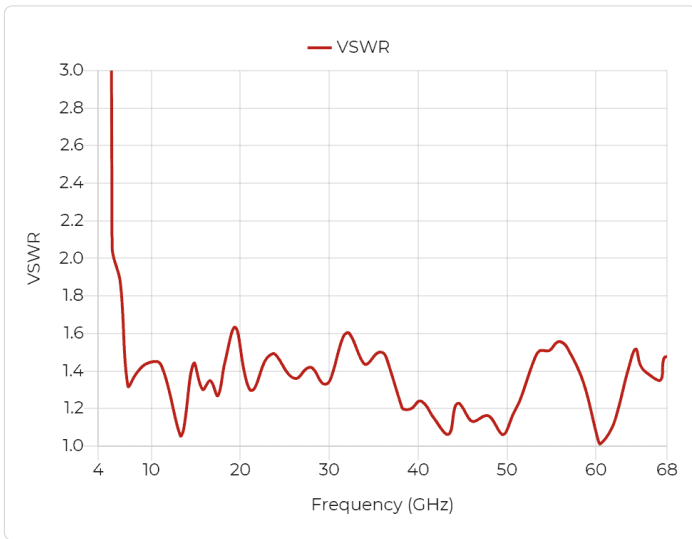
Mounting flange



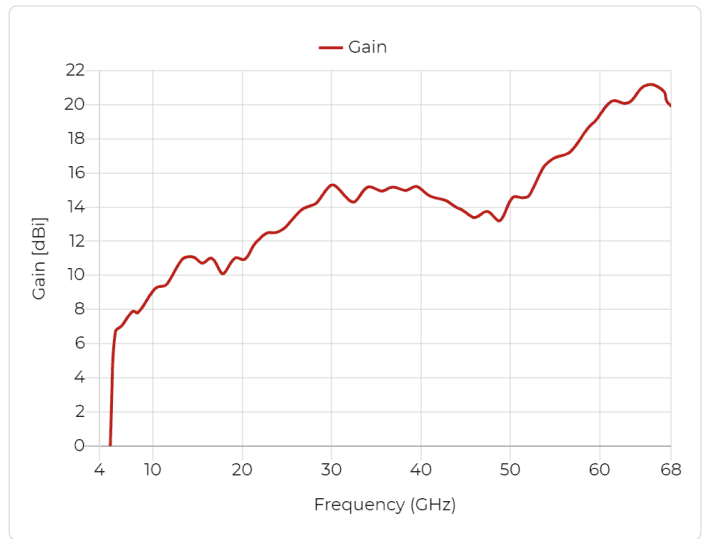
Parameters and Performance

Typical parameters

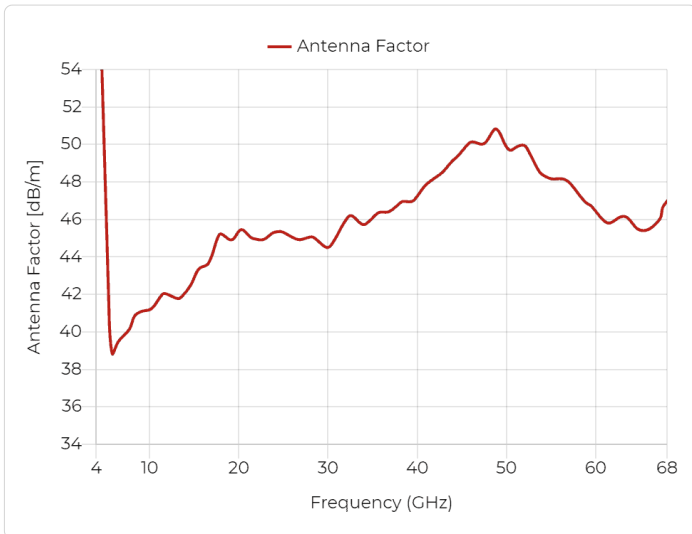
VSWR



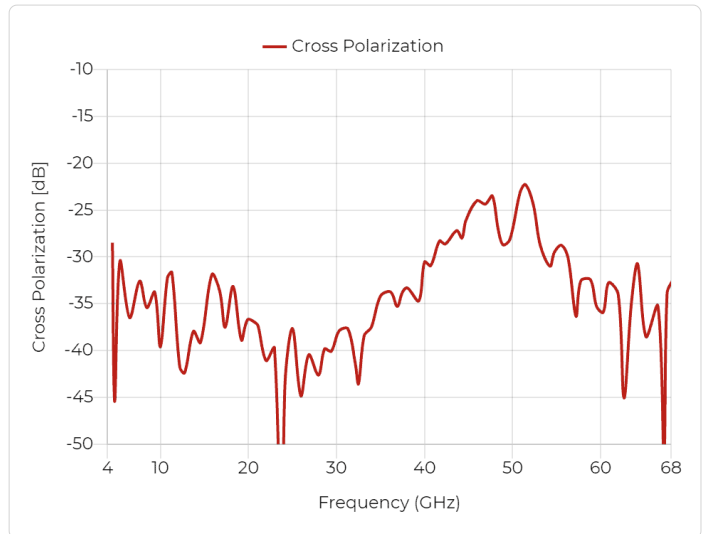
Gain



Antenna Factor

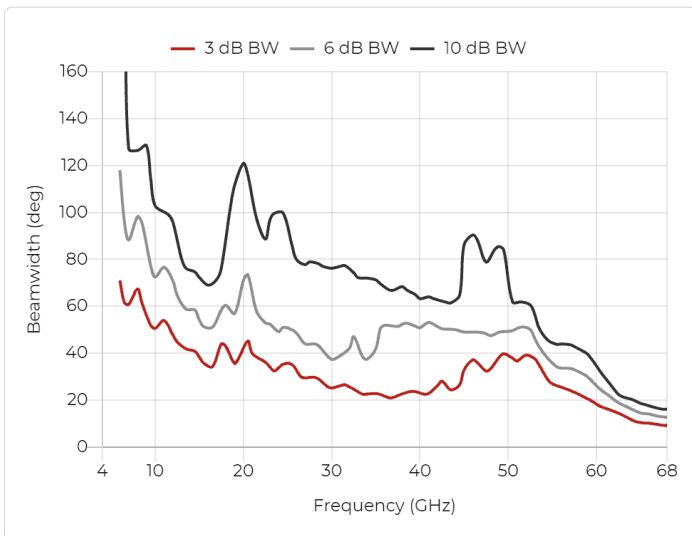


Cross Polarization

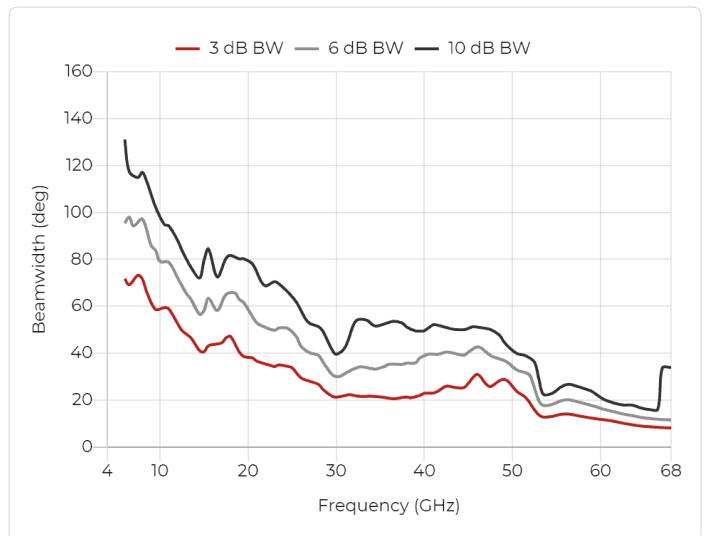


Beamwidth

Port A, E plane



Port A, H plane



Packaging and Accessories

What's in a box

- DRH67 Antenna
- Antenna specific mount adapter with $\frac{1}{4}$ inch inner thread
- Protective wooden case
- Factory calibration certificate
- Full calibration report of each antenna
- QR code accessing online portal
- Calibration test dataset (available online)

Accessories

- Standard mounting flange



Protective wooden case



Factory calibration report

Optional Accessories

- [AHS22-HI Antenna Fixture](#)
- [PAS02 Antenna Stand](#)
- [PAS2022 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/drh67/>

Data and specifications subject to change without notice.

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