

LB-15-25-C-1.0FSPO Standard Gain Horn Antenna 50-75GHz 25dB Gain 1.0mm Female

Standard Gain Horn Antenna Operating From 50GHz to 75GHz With a Nominal 25dB Gain With 1.0mm Female Connector

### Product Information

|     |                    |
|-----|--------------------|
| SKU | LB-15-25-C-1.0FSPO |
|-----|--------------------|

### Description

Standard Gain Horn Antenna LB-15-25-C-1.0FSPO, operating from 50 to 75GHz with a nominal 25dB gain and low VSWR 2:1 with 1.0mm Female connector output. The model LB-15-25-C-1.0FSPO has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 3W continuously and 5W peak power. Constructed of lightweight corrosion-resistant aluminum, the horn comes with a specially designed weatherproof radome which provides excellent protection against the rain and dust but has very little loss across the full operating frequency band. This standard gain horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

### Technical Specification

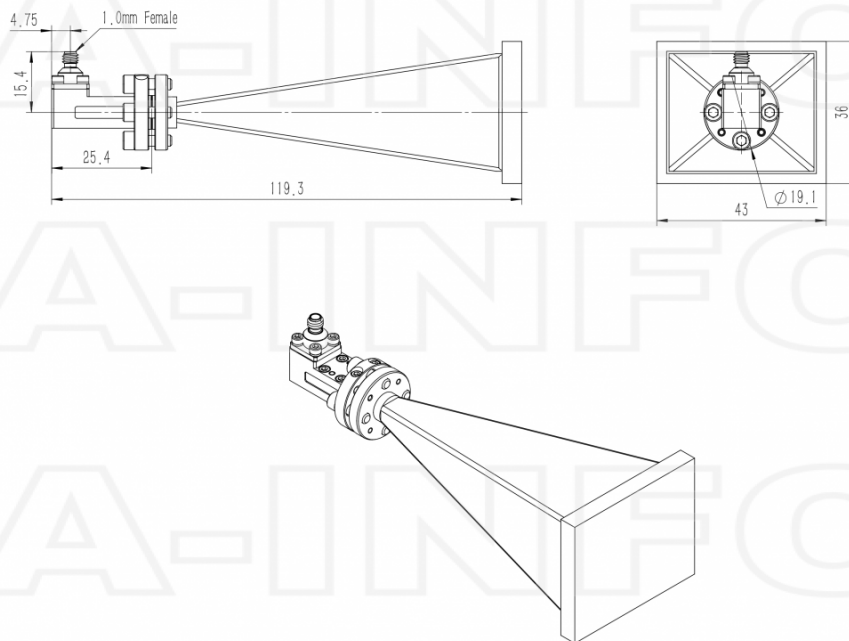
| Electrical Specification           |             | Interface                |                         |
|------------------------------------|-------------|--------------------------|-------------------------|
| Frequency, Min (GHz)               | 50          | Output Type              | Coaxial                 |
| Frequency, Max (GHz)               | 75          | Connector                | 1.0mm                   |
| Waveguide Type                     | Rectangular | Connector Gender         | Female                  |
| Waveguide Size EIA WR              | WR15        | Mechanical Specification |                         |
| Gain, Typ (dBi)                    | 25          | Figure                   | C Type                  |
| Polarization                       | Linear      | Body Material            | Cu                      |
| 3dB Beamwidth, E-Plane, Typ (Deg.) | 9           | Finish                   | Gold Plated, Gray Paint |
| 3dB Beamwidth, H-Plane, Typ (Deg.) | 11          | Size, W (mm)             | 43                      |
| Cross Pol. Isolation, Typ (dB)     | 40          | Size, H (mm)             | 36                      |
| VSWR, Typ                          | 2:1         | Size, L (mm)             | 119.3                   |
| Impedance, (Ohm)                   | 50          | Weight, (kg)             | 0.09                    |
| Power Handling, CW, (W)            | 3           |                          |                         |
| Power Handling, Peak, (W)          | 5           |                          |                         |

## Additional Information

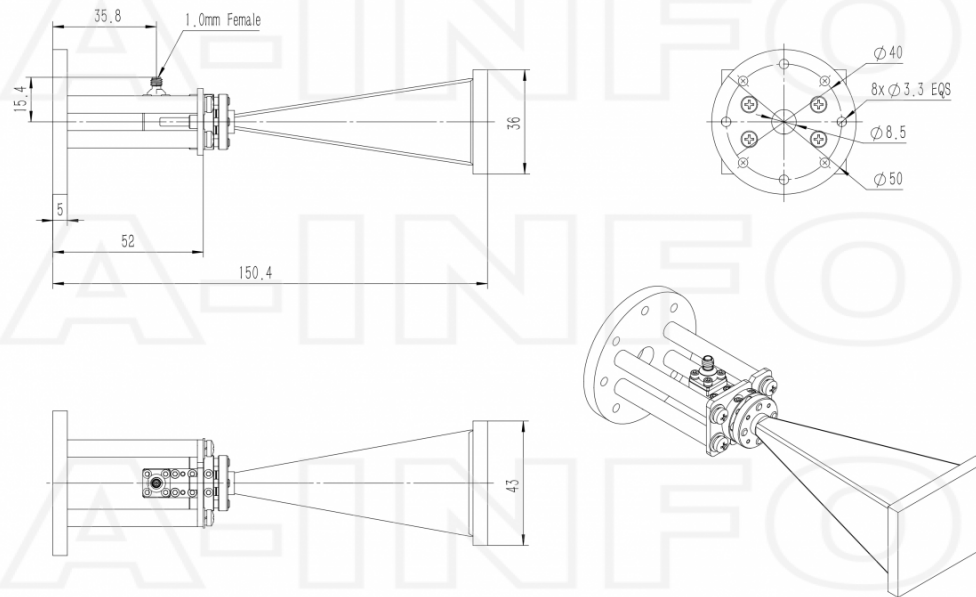
|             |   |              |   |
|-------------|---|--------------|---|
| Application | General Purpose Indoor & Outdoor, Fixed | Solution for | Gain Reference<br>Antenna Measurement<br>Reflector Feed<br>Far-field Measurement<br>System Intergration<br>Material Measurement |
|-------------|---|--------------|---|

## Outline Drawing

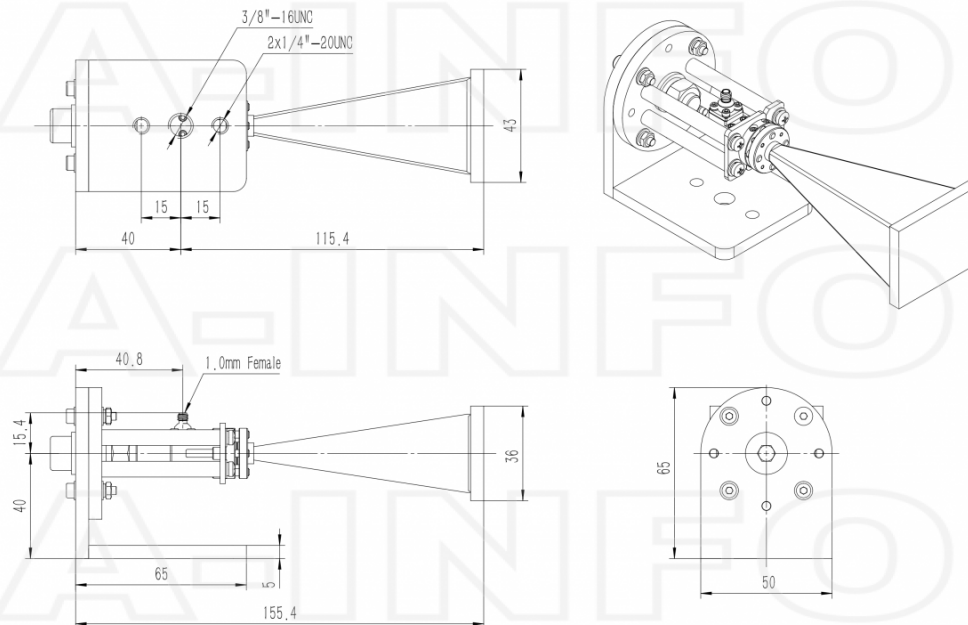
1.0mm-Female Output with Radome (Option, P/N: LB-15-25-C-1.0FSPO, Outdoor Application)



1.0mm-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-15-10-C-MB & LB-15-25-C-1.0FSPO, Outdoor Application)



1.0mm-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-15-10-C-MBL & LB-15-25-C-1.0FSPO, Outdoor Application)



### Related Products



LB-15-10-C-MB Round Type Mounting Bracket



LB-15-10-C-MBL L type mounting bracket



Tripod\_15Kg Al Alloy Tripod



3033HL Wooden Tripod



3033QM Wooden Tripod Metalfree



Carrying Case\_LB-15-25-C Al Alloy Carrying Case



HSCS\_4-40UNC\_Pack Assembly Pack



1.0M-1.0M-C010-150 Flexible Cable Assembly 150mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-200 Flexible Cable Assembly 200mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-300 Flexible Cable Assembly 300mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-500 Flexible Cable Assembly 500mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-1000 Flexible Cable Assembly 1000mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-1500 Flexible Cable Assembly 1500mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-2000 Flexible Cable Assembly 2000mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-3000 Flexible Cable Assembly 3000mm DC-110GHz 1.0mm Male to 1.0mm Male



1.0M-1.0M-C010-5000 Flexible Cable Assembly 5000mm DC-110GHz 1.0mm Male to 1.0mm Male



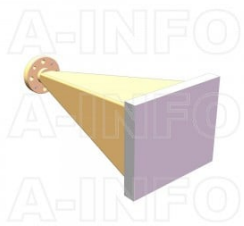


1.0M-1.0M-C010-10000 Flexible  
Cable Assembly 10000mm DC-  
110GHz 1.0mm Male to 1.0mm  
Male

Similar Products



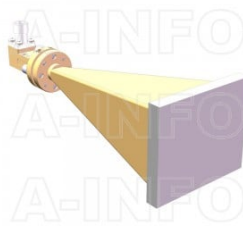
LB-15-25-A Standard Gain Horn  
Antenna 50-75GHz 25dB Gain  
Rectangular Waveguide Interface



LB-15-25-ASPO Standard Gain  
Horn Antenna 50-75GHz 25dB  
Gain Rectangular Waveguide  
Interface



LB-15-25-C-1.85F Standard Gain  
Horn Antenna 50-65GHz 25dB  
Gain 1.85mm Female



LB-15-25-C-1.85FSPO Standard  
Gain Horn Antenna 50-65GHz  
25dB Gain 1.85mm Female



LB-15-25-C-1.0F Standard Gain  
Horn Antenna 50-75GHz 25dB  
Gain 1.0mm Female

About this Datasheet

|   |  |   |
|---|--|---|
| <ul style="list-style-type: none"><li>● Product Information</li></ul> <p>Product Link:<br/><a href="https://www.ainfoinc.com/lb-15-25-c-1-0fspo-standard-gain-horn-antenna-50-75-ghz-25db-gain-1-0mm-female">https://www.ainfoinc.com/lb-15-25-c-1-0fspo-standard-gain-horn-antenna-50-75-ghz-25db-gain-1-0mm-female</a><br/>Data subject to change without notice.<br/>© A-INFO INC. 2023. All Rights Reserved</p> | <ul style="list-style-type: none"><li>● Contact Us</li></ul> <p>Address:<br/>60 Tesla, Irvine, CA 92618,<br/>USA</p> <p>Website:<br/><a href="http://www.ainfoinc.com">www.ainfoinc.com</a></p> <p>Email:<br/><a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></p> | <ul style="list-style-type: none"><li>● Phone &amp; Fax</li></ul> <p>Phone:<br/>+1-949-639-9688<br/>+1-949-639-9608</p> <p>Fax:<br/>+1-949-639-9670</p> |
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