

# ADS-B Base Station Antenna

**This antenna is part of our range of medium gain, omnidirectional antennas. We offer COTS antennas along with the capability to rapidly develop custom solutions tailored to meet specific requirements.**

## Application

- ADS-B base station antenna for airport use.
- Connects to a stand alone ADS-B receiver.
- Optimized for 1090 MHz, ensuring high-quality signal reception for ADS-B data.
- Durable design for outdoor installation, offering reliable performance in various weather conditions.

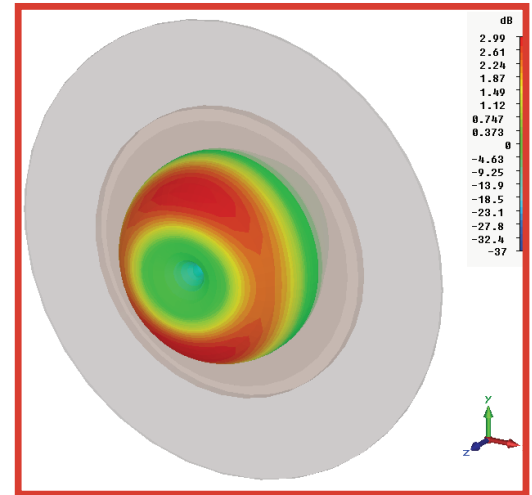
## Options

- Different frequency ranges
- Maximum gain at other elevations
- RHCP, LHCP
- Integrated LNA
- High rejection filtering
- Heater

## Key Features

- Operates at L-Band
- Vertical polarization
- Omnidirectional radiation pattern
- Single element
- Maximum gain at low elevation
- Low gain in broadside
- High front-to-back ratio
- Grounded for protection against static discharges

| Electrical Specifications   |                                    |
|-----------------------------|------------------------------------|
| Frequency range             | L-Band                             |
| Operating temperature range | -40°C to +70°C,<br>-40°F to +158°F |
| Gain                        | 3dBi                               |
| -3 dB beamwidth             | 45°                                |
| Mechanical Specifications   |                                    |
| Dimensions                  | 250mm diameter                     |
| Weight                      | 0.5kg                              |

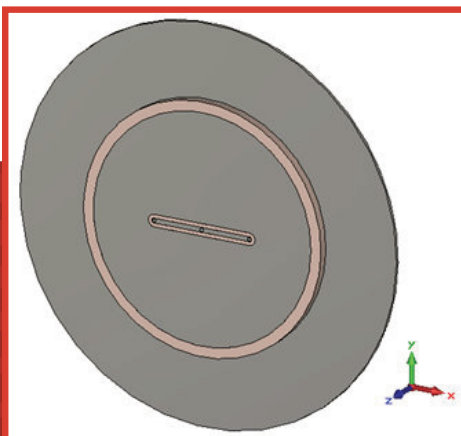


## About us

Orban Microwave, founded in 1996, designs and manufactures advanced antennas and RF subsystems for space, radar, GNSS, and avionics applications.

We deliver high-quality, reliable, and efficient solutions supporting military, commercial, and industrial missions.

Our portfolio includes antenna arrays, AESA systems, wideband and omnidirectional antennas, quadrifilars, and a range of RF products such as T/R modules, power amplifiers, low-noise amplifiers, transponders, and RF switches.



**Contact us for more information**

Orban Microwave, Inc.  
 11333 Lake Underhill Road  
 Suite 104  
 Orlando FL, 32825  
 321-200-0080

