

3D Choke Ring GNSS Tripleband + L-band antenna (IP67)

Includes:

- 3D Choke Ring GNSS Tripleband + L-band antenna (IP67)
- 1.5m pigtail cable with TNC to SMA connector
- 2.5m pigtail cable with TNC to TNC connector



More info about the product!



3D Choke Ring GNSS Tripleband + L-band antenna (IP67) SKU is: AS-ANT3B-CHO-L1256-SMATNC-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

Description

Calibrated by NGS Survey Quadband (L1/L2/L5/L6) 3D Choke Ring GNSS antenna. Water & dust-proof for permanent outdoor installations. Sub-millimeter phase center repeatability.

Ideal for reference stations (CORS), base station, geodetic survey, deformation monitoring, earthquake forecast, but also for fixed installations supporting L-band.

Good to know:

- Compatible with all [simpleRTK3B](#) boards as well as any other multiband GNSS receiver in the market
- Bulk pricing starting 50 units
- This product is a cheaper alternative to Trimble Ti-V2, Novatel GNSS-750 or Leica AR20 Choke Ring antennas

Specifications

3D Choke Ring antenna

Antenna element

- Supported positioning signal bands:
 - GPS: L1, L2, L5
 - GLONASS: G1, G2, G3
 - BeiDou: B1, B2, B3
 - Galileo: E1, E5, E6
 - QZSS: L1, L2, L5, L6
 - Navic: L5
 - L-band: L6
 - SBAS: WAAS, EGNOS, MSAS and GAGAN
- Polarization: RHCP
- Peak gain: 7dBi
- Axial Ratio @ zenith: <3dB
- Azimuth Coverage: 360 degrees
- Impedance: 50 ohm
- Phase center error: ± 1 mm
- Calibration file available

Electrical

- Supply voltage: 3-12V
- Typical supply current @ 3V: 60mA
- Average LNA gain: 40dB
- Maximum Noise Figure: 1.5dB
- Maximum VSWR: 1.5

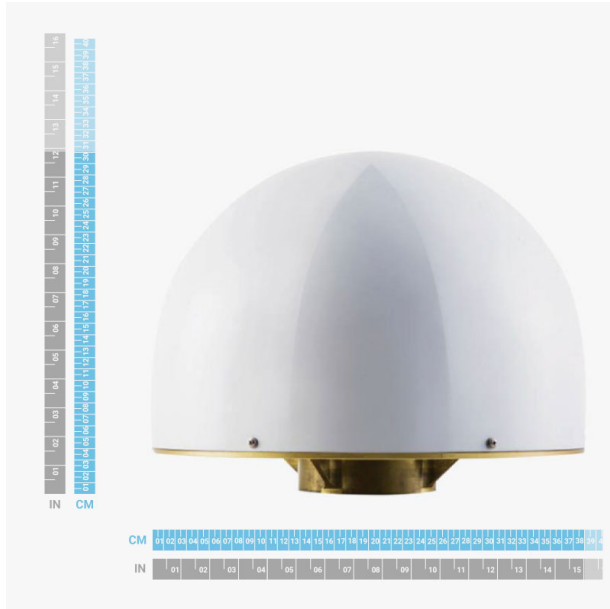
Mechanical

- Maximum length: 380mm
- Weight: 10kg
- Mounting style: 5/8" x 11TPI thread
- Connector: TNC female
- Cable length:
 - Includes 1.5 meter cable terminated in SMA male
 - Includes 2.5 meter cable terminated in TNC male

Environmental

- Operating Temperature: -40 to +85°C
- Storage Temperature: -40 to +85°C
- IP Rating: IP67 (excluding air vent in screw hole, which can be sealed when installed)
- RoHS: Yes

Image Gallery



Documentation

User Guide	https://www.ardusimple.com/gps-gnss-antenna-installation-guide/
Download CAD model	https://www.ardusimple.com/wp-content/uploads/3D_CAD/AS-ANT3B-CHO-L1256-SMATNC-00.STEP

3D Choke Ring GNSS Tripleband + L-band antenna (IP67) includes free basic technical support. Contact info@ardusimple.com for more information.

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