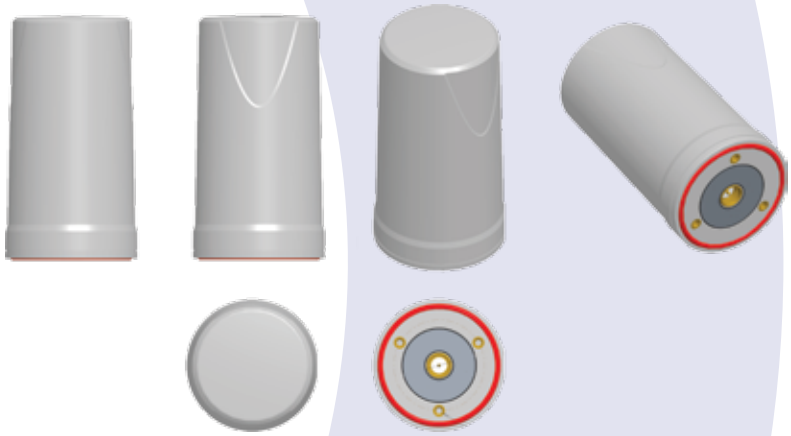
HA32 UAV GNSS Antenna

key features

- **Multi-GNSS, multi-frequency**
- **GPS, BeiDou, GLONASS, Galileo, QZSS, SBAS, and Atlas® L-band**
- **Superior filtering and anti-jamming performance**
- **Proprietary 4-helix technology**
- **IP67 protection class**
- **Excellent for UAV, GIS, and RTK applications**



The multi-GNSS, multi-frequency HA32 is a high-performance UAV GNSS antenna designed to receive GPS, BeiDou, GLONASS, Galileo, QZSS, SBAS, and Atlas L-band signals. The antenna, with its small form-factor, is designed specifically for UAV, GIS, and RTK applications. The HA32 is built on a proprietary 4-helix technology that provides superior filtering and anti-jamming performance. The antenna is equipped with an O-ring and three mounting screws for easy installation and offers an IP67 enclosure rating.

Multi-GNSS Performance

GNSS Reception:	GPS L1/L2, BeiDou B1/B2, GLONASS G1/G2, Galileo E1/E5b, QZSS L1/L2, SBAS, Atlas L-band
Frequency:	1200 - 1250 MHz, 1539 - 1609 MHz
Polarization:	Right hand circular
Axial Ratio:	1 dB max @ Axis
Passive Peak Gain:	3 dB, typical
LNA Gain:	30 dB, typical
LNA Noise Figure:	2 dB, typical
Out-of-Band Rejection:	>50 dBc @ f0±200 MHz
Power:	3.3 V DC to 6 V DC, 25 mA (typical)

Phase Center Variation

Less than 5 mm at GPS L1/L2 for elevations above 30 degrees

Mechanical

Dimensions:	41 D x 75 H (mm)
Weight:	40 g, typical
RF Connector:	SMA plug connector
Mounting Screws:	0.45 mm thread pitch 6 mm maximum thread length

Environmental

Storage Temperature:	-40°C to +85°C
Operating Temperature:	-40°C to +70°C
Vibration:	RTCA-DO-160G Section 8, Helicopter-Type
Mechanical Shock:	RTCA-DO-160G Section 7, Helicopter-Type
Enclosure Rating:	IP67

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