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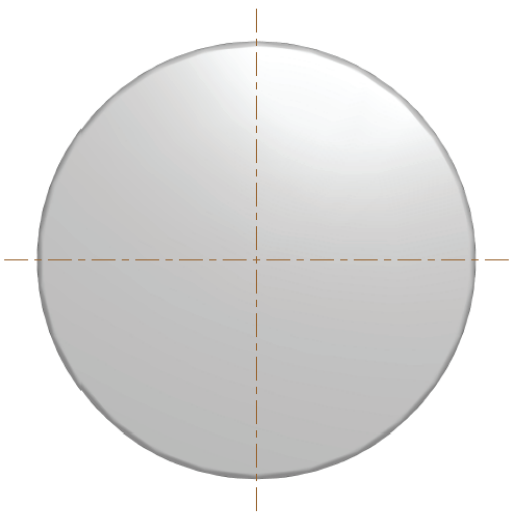
UA35
GNSS Antenna

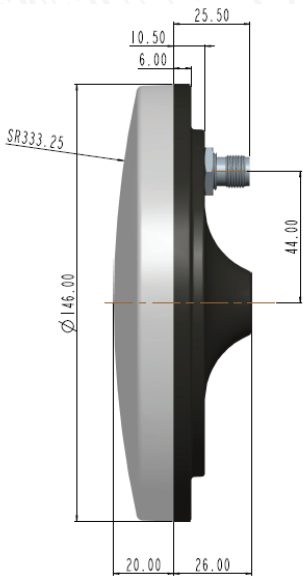
The UA35 external GNSS antenna is engineered to achieve repeatable millimeter phase center stability on precision RTK roving applications; offering support for present and near-future GNSS signals, including GPS, GLONASS, Beidou, Galileo, Atlas, and SBAS.

UA35 GNSS antenna is a compact, multifrequency (L1/L2/L5, G1/G2/G3) precision antenna with superior multipath mitigation and strong low elevation satellite tracking to improve receiver performance in the most challenging environments.

Multi-GNSS Performace

GNSS Reception:	GPS L1/L2/L5,GLONASS G1/G2/G3, Beidou B1/B2/B3,SBAS, L-band DGNSS/HP/XP(OmniSTAR)/Atlas and Galileo E1/E5a and b
GNSS Frequency:	1.165 to 1.278 GHz 1.525 to 1.615 GHz
Polarization:	Right Hand Circular
Axial Ratio:	2 dB Max @ Axis
LNA Gain:	39 dB , typical
LNA Noise Figure:	2 dB, typical
Out-of-Band Rejection:	1570±200 MHz＞40dBc 1224±200 MHz＞50dBc





Phase Center Variation

Less than 2 mm at GPS L1 and L2, for elevations above 15 degrees

Power Input

Voltage:	3.3 V DC to 15 V DC
Input Current:	30 mA, typical

Mechanical

Enclosure:	Aluminum base with ASA plastic cap
Dimensions:	46H x 146D millimeter 1.8H x 5.7D inches
Weight:	500g ±10g 17.6 oz
Mount:	5/8 inch female thread
RF Connector:	TNC (straight)

Environmental

Operating Temperature:	-40°C to + 85°C -40°F to + 185°F
Storage Temperature:	-55°C to + 85°C -67°F to + 185°F
Humidity:	95% non-condensing
Enclosure Rating:	IP69K
Mechanical Shock:	EP455 Section 5.14.1
Corrosion resistant:	IEC60945 Section 8.12 Corrosion
Vibration:	EP455 Section 5.15.1 Random
EMC:	CE (IEC 60945 Emissions and Immunity) FCC Part15, Subpart B CISPR22

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