



UA35 GNSS Antenna

- Multi-constellation and Multi-frequency
- Superior Antenna Phase Center
- High Gain Antenna
- Tracking Weak Signal
- Small Size and Light Weight
- Rugged Design

UA35 covers the reception of GNSS signals such as GPS, GLONASS, BDS, Galileo, QZSS and L-Band. It has the superior performance of the antenna phase center. Its small size and light weight make it easy to be carried and installed.

Product Specification

Antenna Performance		Out-of-band Suppression	L1 ± 200 MHz >40dBc L2 ± 200 MHz >50dBc
Frequency	GPS: L1/L2/L5 BDS: B1/B2/B3 GLONASS: G1/G2/G3 GALILEO: E1/E5 QZSS SBAS L-Band	Differential Transmission Delay	≤ 5ns (L1-L2)
Polarization	Right-handed circular	Antenna Transmission Delay	15ns (Typically)
Axis ratio	≤ 2dB @Axial	Voltage	3.3 - 15 VDC
Antenna Gain	GPS L1 > 6dBi GPS L2 > 5dBi	Current	40mA Max
Phase Center Offset	± 2mm	Environmental performance	
Low Noise Amplifier Performance		Operating Temperature	-40°C ~ +85°C
Frequency Range	1525 ~ 1615 MHz 1182 ~ 1278 MHz	Storage Temperature	-55°C ~ +100°C
Characteristic Impedance	50 Ω	Humidity	Up to 95%
VSWR	≤ 2.0:1	Water/Dust Proof	IP69K RoHS EU Directive
Noise Figure	2dB Max	Physical	
LNA Gain	39 ± 2dB	Dimension	Φ146 mm x H46 mm
In-band Flatness	± 1.5dB	Weight	500 g
		Antenna Interface	TNC-F
		Radome Material	ASA Plastic
		Base Material	Aluminum Alloy
		Mount	5/8-11UNC-2B

