



# 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 $\pm$ 200 MHz >40dBc L2 $\pm$ 200 MHz >50dBc
Frequency	GPS: L1/L2/L5	Differential Transmission Delay	$\leq$ 5ns (L1-L2)
	BDS: B1/B2/B3	Antenna Transmission Delay	15ns (Typically)
	GLONASS: G1/G2/G3	Voltage	3.3 - 15 VDC
	GALILEO: E1/E5	Current	40mA Max
	QZSS		
	SBAS		
	L-Band		
Polarization	Right-handed circular	Environmental performance	
Axis ratio	$\leq$ 2dB @Axial	Operating Temperature	-40°C ~ +85°C
Antenna Gain	GPS L1 > 6dBi GPS L2 > 5dBi	Storage Temperature	-55°C ~ +100°C
Phase Center Offset	$\pm$ 2mm	Humidity	Up to 95%
		Water/Dust Proof	IP69K RoHS EU Directive
Low Noise Amplifier Performance		Physical	
Frequency Range	1525 ~ 1615 MHz	Dimension	$\Phi$ 146 mm x H46 mm
	1182 ~ 1278 MHz	Weight	500 g
Characteristic Impedance	50 $\Omega$	Antenna Interface	TNC-F
VSWR	$\leq$ 2.0:1	Radome Material	ASA Plastic
Noise Figure	2dB Max	Base Material	Aluminum Alloy
LNA Gain	39 $\pm$ 2dB	Mount	5/8-11UNC-2B
In-band Flatness	$\pm$ 1.5dB		

