

AT360 Geodetic Antenna

Choke Ring Antenna

Ver.2020.11.30



Dimension: $\Phi 147 \times 67.7 \text{mm}$

Weight: $\leq 500 \text{g}$

Features

Support GPS L1/L2/L5, GLONASS L1/L2 and BeiDou B1/B2/B3 Galileo E1/E5a/E5b, L-Band and SBAS

Multi-feed design provides stable phase center and multipath rejection capability

Its high gain and wide beam width provide good signal tracking performance when satellites are at low elevation angle

Water-proof and dust-proof design ensures absolute seal of kernel parts, capable for work in harsh environment

Lightning proof circuit inside protects the LNA from surge immunity

AT360 Geodetic Antenna

The AT360 is a super performance GNSS Antenna that can track GPS, GLONASS, BeiDou, Galileo, L-Band and SBAS. Its high gain and wide beam provide good signal tracking performance even satellites at low elevation angle. It is a good choice for customers to develop systems or solutions for land survey, agriculture, construction and deformation monitoring.

Antenna

GPS	L1, L2, L5
GLONASS	L1, L2
Beidou	B1, B2, B3
Galileo	E1, E5a, E5b
L-Band, SBAS	
Nominal Impedance	50 Ω
Polarization	RHCP
Axial Ratio (90°)	$\leq 3 \text{dB}$

LNA

LNA Gain	40 \pm 2dB
Noise Figure	$\leq 2 \text{dB}$
VSWR Output	≤ 2.0
Operation Voltage	3.3 - 15VDC
Operation Current	$\leq 45 \text{mA}$
Group Delay	< 5ns
Passband Ripple	$\pm 1 \text{dB}$
Gain at Zenith	+ 5.5dBi
Phase Center Offset	$\pm 2 \text{mm}$

Physical

Dimension	$\Phi 147 \times 67.7 \text{mm}$
Connector	TNC Female connector
Weight	$\leq 500 \text{g}$

Environmental

Operating Temperature	-40 C to +75 C
Storage Temperature	-55 C to +85 C
Humidity	95% No-condensing
Water and Dust Proof	IP67
Drop	Survive from a 1.5m drop
Calibration	IGS, NGS

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