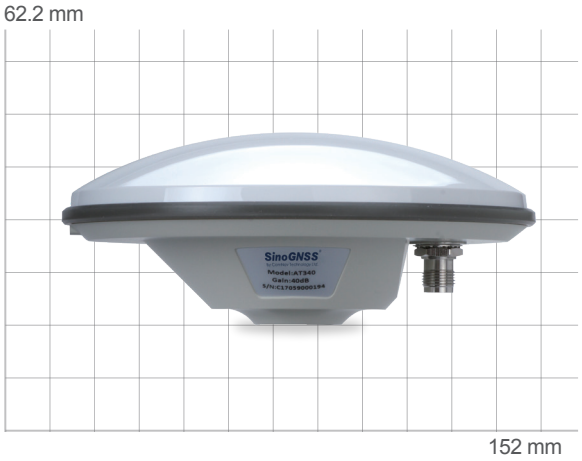
AT340 Geodetic Antenna

Choke Ring Antenna | Ver.2020.11.30



Dimension: Φ152×62.2mm
Weight: 374g

AT340
Geodetic Antenna

The AT340 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.

Features

Support GPS L1/L2/L5, GLONASS L1/L2 and BeiDou B1/B2/B3 Galileo E1/E5a/E5b/AltBoc, 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

Antenna	
GPS	L1, L2, L5
GLONASS	L1, L2
Beidou	B1, B2, B3
Galileo	E1, E5a, E5b, AltBoc
L-Band, SBAS	
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio (90°)	≤ 3dB

LNA	
LNA Gain	40dB
Noise Figure	≤ 2dB
VSWR Output	≤ 2.0
Operation Voltage	3 - 18VDC
Operation Current	≤ 45mA
Group Delay	< 5ns
Passband Ripple	± 1dB
Gain at Zenith	+ 5.5dBi
Phase Center Offset	± 2mm

Physical	
Dimension	Φ152×62.2mm
Connector	TNC Female connector
Weight	374g

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

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