

A21 GPS Antenna Superior Noise Rejection



Agricultural vehicles and equipment, including aircraft, typically generate electrical “noise” and interference which can compromise the performance of an antenna. The A21 antenna is designed to help maintain tracking of GPS and differential correction signals in these types of environments, and in high-dynamic applications where the antenna may be turned on its side.

With a metal base, lower profile, improved multi-path mitigation, and ability to filter out an additional 30 decibels of radio band of frequencies, the A21 antenna offers superior noise rejection. The antenna will track GPS, SBAS (WAAS, EGNOS, etc.) and OmniSTAR® L-band signals.

The A21 Antenna also features a TNC connector, which has a threaded coupling interface to ensure a secure connection.

Key A21 Advantages

- Low profile design with metal base
- Precise tracking of GPS, SBAS (WAAS, EGNOS, etc.) and OmniSTAR® L-band signals
- Improved multipath mitigation
- Superior resistance to radio frequency interference

A21 Antenna Specifications

GPS, SBAS and L-Band (OmniSTAR) GPS Sensor

GPS Frequency Range:	1.575 Ghz (L1)
GPS Bandwidth:	20 MHz
GPS LNA Gain:	30 dB
GPS LNA Noise:	2.0 dB typical

L-Band Sensor

L-Band Frequency Range:	1.525 - 1.560 GHz
L-Band LNA Gain:	30 dB

Power Input

Input Voltage:	3.3 - 12 VDC
Input Current:	24 mA typical

Mechanical

Enclosure:	Aluminium base with Poly-carbonate cap
Dimensions:	70mm H x 130mm D (2.8 H x 5.1 D in)
Weight:	380 g (0.84 lb)

* Mounting Options Magnetic or Fixed Mount - low or high Magnetic Fixed Mount - 4 screws with adapters for 3/4" coarse thread, or 1 1/4" fine thread

Environmental

Storage Temperature:	-40° C to +85° C
Operating Temperature:	-40° C to +70° C
Humidity:	IP67 (immersion to 1 meter)

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