

A21 Antenna

SINGLE-FREQUENCY, MULTI-GNSS ANTENNA



The A21 antenna is designed to help maintain tracking of GPS, GLONASS, BeiDou, Galileo, and differential correction signals in challenging environments. At times, it may be impossible to keep the antenna level away from electrical noise. A21 offers superior noise reduction with a metal base, lower profile, improved multipath mitigation, and the ability to filter out an additional 30 decibels of radio band frequencies. A21 offers superior noise rejection. The A21 is designed for use with Hemisphere GNSS Crescent[®] and Crescent Vector[™] II receivers.

GNSS Sensor

Signals Received:GPS L1, GLONASS G1, BeiDou B1, Galileo
E1, SBAS, and L-bandGNSS Frequency:1.525 to 1.614 GHzLNA Gain:30 dBnLNA Noise:2.0 dB, typical

L-Band Sensor

L-Band Frequency: 1.525 - 1.614 GHz operation L-Band LNA Gain: 30 dB

Power

Input Voltage: 3.3 to 12 VDC Input Current: 24 mA, typical

Mechanical

Enclosure: Dimensions: Weight: Mount: RF Connector: Aluminum base with ASA plastic top 7.0 H x 13.0 D (cm) 2.9 H x 5.1 D (in) .38 kg (.84 lbs) 5/8 inch female thread TNC (straight)

Environmental

 Storage
 -40° C to +85° C (-40°F to +185°F)

 Operating
 -40° C to +70° C (-40°F to +158°F)

 Temperature:
 -40° C to +70° C (-40°F to +158°F)

 Enclosure Rating:
 IP69K

 Shock/Vibration:
 EP455

Hemisphere GNSS

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