

A46 Antenna

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The A46 GNSS antenna is designed to support millimeterlevel accuracy for machine control applications. The A46 offers support for GPS, GLONASS, BeiDou, Galileo, and QZSS GNSS signals. A46 is a multi-GNSS precision antenna and is ideal for various applications including RTK positioning and navigation, precise guidance, and machine control. Use the A46 antenna in challenging environments (such as near buildings and foliage) for superior multipath mitigation, stable phase center, and strong SNR's, even at low elevations. The ruggedized housing is made of an aluminum base that has been pretreated for demanding machine control environments. The antenna easily passes the two-meter pole drop test.

GNSS Sensor

Signals Received:GPS L1/L2/L5, GLONASS G1/G2, BeiDou
B1/B2/B3, SBAS, L-band, Galileo E1/E5a
and b, and QZSSGNSS Frequency:1.165 to 1.278 GHz
1.525 to 1.615 GHzLNA Gain:30 dBnLNA Noise:2.0 dB, typical

L-Band Sensor

L-Band Frequency: 1.525 - 1.585 GHz operation L-Band LNA Gain: 30 dB

Power

Input Voltage: 3.3 to 15 VDC Input Current: 25 mA, typical

Mechanical

Enclosure:Aluminum base with Lexan™ plastic capDimensions:4.7 H x 15.2 D (cm)1.8 H x 6.0 D (in)Weight:.50 kg (1.1 lbs)Mount:5/8 inch female threadRF Connector:N-Type (straight)

Environmental

Storage
Temperature:-40° COperating
Temperature:-40° CEnclosure Rating:-40° CEnclosure Rating:IP69KShock/Vibration:EP455Phase Center
Variation:Less th
above

-40° C to +85° C (-40°F to +185°F)

-40° C to +70° C (-40°F to +158°F) IP69K EP455

Less than 2 mm at GPS L1, for elevations above 15 degrees

Hemisphere GNSS

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