

# GPS Antenna Specifications



**A20**

**GPS, SBAS and L-Band (OmniSTAR®)**



**A30**

**GPS, SBAS, L-Band (OmniSTAR®) and Beacon**

## GPS Sensor Specifications

GPS Frequency Range	1.575 GHz (L1)
GPS Bandwidth	20 MHz
GPS LNA Gain	34 dB
GPS LNA Noise	1.4 dB typical

1.575 GHz (L1)
20 MHz
34 dB
1.4 dB typical

## Beacon Sensor Specifications

Beacon Frequency Range	N/A
Beacon LNA Gain	N/A

283.5 - 325 KHz
34 dB

## L-band Sensor Specifications

L-band Frequency Range	1.525 - 1.585 GHz
L-band LNA Gain	34 dB

1.525 - 1.585 GHz
34 dB

## Power Input Specifications

Input Voltage	5 - 12 VDC
Input Current	20-30 mA

5 - 12 VDC
50-60 mA

## Mechanical Specifications

Enclosure	AES	AES
Dimensions	55 mm H x 130 mm D (2.2 H x 5.1 D inches)	69 mm H x 130 mm D (2.7 H x 5.1 D inches)
Weight	363 g (0.8 lb.)	590 g (1.31 lb.)
Mounting Options	Magnetic or Fixed Mount - low or high profile (5/8 inch or no. 8-32 screws)	Magnetic or Fixed Mount - low or high profile (5/8 inch or no. 8-32 screws)

## Environmental Specifications

Storage Temperature	-40° C to +85° C	-40° C to +85° C
Operating Temperature	-30° C to +70° C	-30° C to +70° C
Humidity	100% Condensing	100% Condensing