

13300 Series

The 13300 marine antennas are specifically designed to withstand continuous, long-term exposure to rugged or highly corrosive environments. Their radome is molded from high grade polymer resin for UV and abrasion resistance.

The antennas' element is a proprietary quadrifilar helix design which provides better gain on the horizon than can be achieved with a patch element. The marine antennas come with a threaded mounting base ready for installation.



13300 Series

Antenna Element Electrical Specifications

Frequency Band	Antenna Gain	Nominal Impedance	VSWR	Polarization	RF Input
1575.42 +/- 10 MHz (GPS L1)	4.5 dBic nominal @ zenith	50 ohms	< 1.5:1	Right hand circular	TNC female

Mechanical Specifications

Antenna Dimensions	Antenna Weight	Radome Color
6.5" H x 3.1" D (with mount)	5.75 oz.	White

Environmental Specifications

Temperature Range	Humidity
-40° C to +85° C	Up to 95%



Low Noise Amplifier Specifications

Frequency Band (MHz): 1575.42 ±10 MHz (GPS L1)
Gain: 26 dB
Nominal Impedance: 50 ohms
Output VSWR: < 2.0:1
Noise Figure: 2.5 dB nominal
DC Voltage: 4.5 to 5.5 VDC
DC Current: 40 mA nominal
Polarization: Right hand circular
Filtering: Ceramic-dual