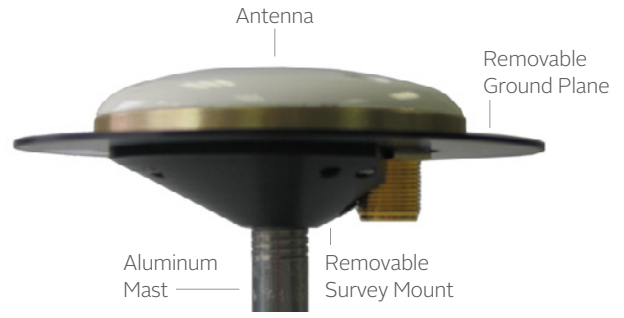


GPS SAASM Antenna

MODEL 8225S



Top View



Side View

Electrical Specifications

Type: Active

Frequency:

L1: 1575.42 ±15 MHz

L2: 1227.60 ±15 MHz

Polarization: RHCP

VSWR: < 1.5:1

Impedance: 50 ohms

LNA Gain:

L1: 33 dB

L2: 35 dB

LNA Noise Figure: 3.0 dB

LNA P1dB Out: +13 dBm

LNA DC Power: 3.3V/35mA

Rejection at ±50 MHz:

L1: -41 dB/-59 dB

L2: -40 dB/-40 dB

Rejection at ±100 MHz:

L1: < -65 dB

L2: < -65 dB

Recommended Cable: Low Loss LMR-400 Equivalent

Maximum Cable Length: 400 ft. maximum

LMR-400 equivalent with Inline Amplifier - Model 8227: 800 ft. maximum

Mechanical Specifications

Connector: N type, female Antenna Size:

Diameter: 3.50" (88.90 mm) Height: 0.690" (17.53 mm)

Antenna Weight: 6.8 oz. (191 g)

Mounting:

- Removable "Survey Mount" with 0.625-11UNC thread, 0.7" (17.78 mm) deep
- Antenna Mast included with threaded end, 6061 Aluminum, iridite and powder coat finish, 1.13" (28.70 mm) dia x 18" (457.20 mm) long
- Antenna is weather-proof and must be mounted outdoors

Environmental

Temperature Range: -55° to +85° C (-67° to +185° F)

Warranty

1-Year Limited

The warranty period may be dependent on country.

Ordering Information

GPS SAASM Antenna

1. GPS SAASM Antenna - Model 8225S

Additional Accessories

2. GPS Antenna Splitter - Model 8224
3. Antenna Surge Suppressor - Model 8226
4. Surge Protector Grounding Kit - Part Number 8226-0002-0600
5. Inline Preamplicifier - Model 8227
6. Low Loss Antenna Cable - Model CAL7xxx
7. Indoor Plenum-rated Antenna Cable, CMP equivalent - Model CALP7xxx