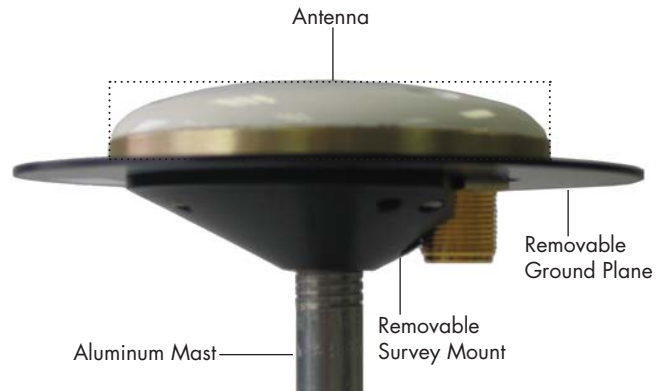


# GPS SAASM Antenna

Model 8225S



Top View



Side View

## Specifications

### Electrical

**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

**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

<sup>1</sup>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 Pre-amplifier - Model 8227
6. Low Loss Antenna Cable - Model CAL7xxx
7. Indoor Plenum-rated Antenna Cable, CMP equivalent - Model CALP7xxx

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Specifications subject to change or improvement without notice.

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