# GPS SAASM Antenna

## MODEL 8225S

### 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

### 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:** -55º to +85º C (-67º to +185º 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 Preamplifier - Model 8227  
6. Low Loss Antenna Cable - Model CAL7xxx  
7. Indoor Plenum-rated Antenna Cable, CMP equivalent - Model CALP7xxx

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