



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/+50 MHz

L1: -41 dB/-59 dB

L2: -40 dB/-40 dB

Rejection at -100/+100 MHz

L1: < -65 dB

L2: < -65 dB

Recommended Cable

Low Loss LMR-400 Equivalent

Maximum Cable Length

300 ft. maximum

LMR-400 equivalent with Inline

Amplifier - Model 8227: 700 ft. maximum

MECHANICAL

Connector

N type, female

Size

Diameter: 3.50" (88.90 cm)

Height: 0.690" (17.53 cm), 0.58" (14.73)

Weight

6.8 oz. (191 g)

Mounting

Antenna is weather-proof and must be mounted outdoors.

ENVIRONMENTAL

Temperature Range

-55° to +85° C (-67° to +185° F)

WARRANTY

5-Year Limited

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