GPS SAASM Antenna
Model 8225S

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/−49 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: -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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Specifications subject to change or improvement without notice.
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