

Transmits from a Data Collection Platform (DCP) to any Geostationary Satellite:  
 GOES, METEOSAT, MSG, GMS, INSAT

# Domed Satellite Antenna

## 5000-0025-1

### Features

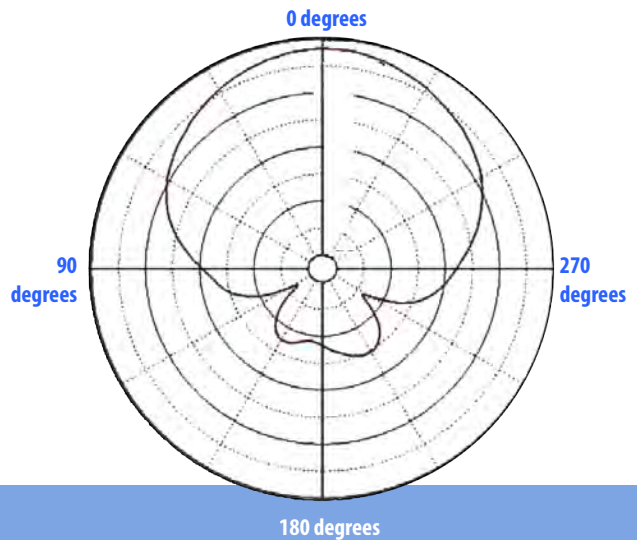
- ▶ High reliability in remote locations & extreme meteorological conditions
- ▶ Beamwidth wide enough to illuminate at least two of the GOES Satellites - either the GOES East and the GOES Central or the GOES West and the GOES Central when pointed midway between the satellites
- ▶ High Gain - operates with DCPs transmitting at less than 10 Watts
- ▶ Stainless steel base
- ▶ Waterproof, UV resistant dome
- ▶ Includes stainless steel mount, adjustable over 110° range

### Specifications

|               |                       |
|---------------|-----------------------|
| Polarization  | Right Hand Circular   |
| Gain          | 6 dBi Nominal         |
| Frequency     | 401.8 MHz             |
| 3dB Beamwidth | 90° typ.              |
| VSWR          | 1.5 max.              |
| Impedance     | 50 Ohms               |
| Axial Ratio   | 2 dB typ.             |
| Wind Survival | 100 knots             |
| Connector     | Type-N Female         |
| Temperature   | -55°C to +65°C        |
| Weight        | 6 lbs. (dome)         |
| Size          | 12" x 12" x 8" (dome) |

### Ordering

|             |  |
|-------------|--|
| 5000-0025-1 | Domed Satellite Antenna (includes stainless steel mount with stainless steel clamps) |
| 6411-1162-1 | Cable Assembly, Antenna, 15feet  |



### Helpful Hints

- ▶ When antenna is installed outdoors, connect cable with the type-N connector to the connector on the antenna. Use an outdoor weatherproofing tape or antenna sealant tape around the connector to keep water from entering the connector.  
 Tape such as 3M (Scotch) 2242 Linerless Electrical Rubber Splicing Tape or similar water-sealing tape is recommended.

- ▶ Always calculate the uplink EIRP that is transmitted to the satellite to be certain it does not exceed the maximum allowable. To calculate this value, consult uplink budget information. (Uplink information on Sutron's web site [http://www.sutron.com/customer-service/Conversions\\_Calculations/UplinkEIRP.htm](http://www.sutron.com/customer-service/Conversions_Calculations/UplinkEIRP.htm))



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