

## 9211D Iridium™ Magnet Mount Passive Antenna

The 9211D is a high performance passive 1616 to 1626.5 MHz, RHCP antenna, specifically designed to operate with the Iridium™ Satellite communication system. It features a precisely tuned custom ceramic patch antenna element and a matching network. The 9211D antenna is enclosed in a rugged, fully weatherproof housing that allows the Iridium Satellite SBD modem to be mounted away from the elements, yet fully meeting Iridium's radiated power requirements. Its top cover (radome) is composed of high-grade GE plastic and the zinc base is equipped with both screw holes and magnets for ease of installation. The antenna comes standard with 6.6' (2 meters) of high quality Shikoku coaxial cable and an SMA male connector.



### Features

- Ideal for Iridium™ Satellite Short Data Service applications
- Weather proof housing
- Magnet or screw mount
- RoHS compliant



### Antenna Response Specifications

| Frequency Range        | Gain                  | Polarization        | Axial Ratio         | VSWR   |
|------------------------|-----------------------|---------------------|---------------------|--------|
| 1616 MHz to 1626.5 MHz | 4 dBic @ Zenith (max) | Right Hand Circular | 3 dB @ Zenith (max) | <2.0:1 |

### Mechanical Specifications

| Antenna Dimensions                                  | Antenna Weight     | Shock                                | Vibration   |
|---|--------------------|--------------------------------------|---|
| 2.1" x 2.3" x .54"<br>(52.1 x 58.9 x 13.6 mm)       | .26 lbs<br>(120 g) | Vertical axis 50G,<br>other axes 30G | 3 axis, sweep = 15 min<br>10-200 Hz log sweep: 3G                                 |
| Cable   | Cable Loss         | Connector                            | Mounting Method   |
| 6.6' (2 meters) highly-<br>flexible 174 sized cable | 1.3 dB/m typical   | SMA male                             | Magnetic (5 lb lift-off force) or permanent<br>(pre-threaded for 3 x M2.5 screws) |

### Environmental Specifications

| Temperature Range        | Humidity                 | Weatherproof |
|--------------------------|--------------------------|--------------|
| -40°C to +85°C operating | 95% max (non condensing) | IP67         |

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