



## GNSS-HR26PM Low-Profile Antenna with High Rejection GNSS Technology

The GNSS-HR26PM vehicle tracking antenna features a light, low-profile housing that is ideal for fleet management applications. Its radome is molded from high grade polymer resin for maximum UV and abrasion resistance under severe environmental conditions. Its electrically shielded LNA PCB assembly and ceramic filter are designed to provide proprietary high out-of-band rejection for optimal integration in congested wireless installations.

### Features

- GPS L1 & GLONASS L1 Frequencies
- Proprietary filtering design allows wideband coverage while achieving superior out-of-band rejection for all GNSS frequencies
- Rugged, low-profile housing for minimum visibility
- 26 dB gain
- ESD protection
- IP56 ingress protection



GNSS-HR26PM

### STANDARD CONFIGURATION

| Model       | Cable                      | Connector** | Mount   |
|-------------|----------------------------|-------------|---|
| GNSS-HR26PM | 5 Meters RG174 (16.4 Feet) | SMA Plug    | 1/2-inch built-in threaded stud mount for 1-inch diameter mounting holes. For up to 1/4-inch (6mm) surfaces |

### ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

| Frequency Band | LNA Gain                 | Element Gain  | Polarization        | Out of Band Rejection   | VSWR          |
|----------------|--------------------------|---------------|---------------------|---|---------------|
| 1565-1610 MHz  | @ 3.0VDC: 26dB (typical) | -2 dBic @ 20° | Right hand circular | f0 = 1586 MHz<br>f0 +/- 50MHz : ≥ 60dBc<br>f0 +/- 60MHz : ≥ 70dBc | 2.0:1 maximum |

### ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

| Current Draw      | DC Voltage  | Noise Figure       | Nominal Impedance |
|-------------------|---|--------------------|-------------------|
| < 25 mA (typical) | 2.8-6.0 V (operating)<br>≤ 12.0 V (survivability) | < 2.0 dB (typical) | 50 ohms           |

### MECHANICAL SPECIFICATIONS

| Dimensions                           | Weight   | Housing Material     |
|--------------------------------------|----------|----------------------|
| 2.5" OD x 0.5" D<br>(63.5 x 12.7 mm) | 25 grams | Black, UV-Stable ASA |

### ENVIRONMENTAL SPECIFICATIONS

| Temperature Range          | Humidity | Mechanical Shock | Fluid Shower   |
|----------------------------|----------|------------------|--|
| -40°C to +85°C (operating) | 95%      | 25 g maximum     | Water, salt mist, windshield wiper fluid, detergent with wax: no degradation |

\*When installed according to the manufacturer's installation instructions.  
\*\* Consult Customer Service for other connector options.