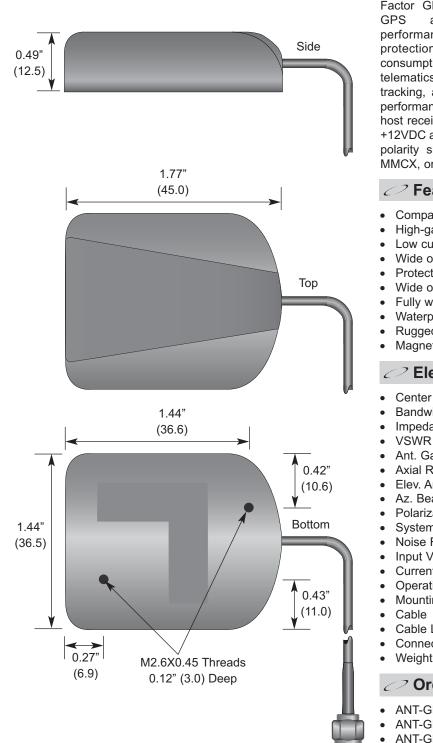


ANT-GPS-SH-xxx DATA SHEET

Product Dimensions



Description

The SH Series is the flagship of the Antenna Factor GPS line. These high-performance antennas combine superior performance, advanced operational and protection features, and low power consumption. This makes them ideal for telematics, fleet management, navigation,



tracking, and other applications that require a compact, highperformance GPS antenna. For maximum compatibility with the host receiver, the SH accepts supply voltages from +2.5VDC to +12VDC and is protected against shorts, over current, or reverse polarity situations. The antennas attach via an SMA, MCX, MMCX, or customer-specified connector.

Features

- Compact
- High-gain, low-noise design
- Low current consumption
- Wide operating voltage
- Protection circuit
- Wide operating temperature
- Fully weatherized
- Waterproof
- Rugged & damage-resistant
- Magnetic mount

Electrical Specifications

- Center Freq. 1575.42MHz
 - Bandwidth 10MHz @ -3dB point
- Impedance 50 ohms
- VSWR 1.5 typ.
- Ant. Gain
- 5.0dB min. Axial Ratio
- 1.0dB typ.
- Elev. Angle Cov. 5~90 degrees Az. Bearing Cov. 360 degrees
- Polarization RHCP
- System Gain 28dB (typ. includes 4dB cable & filter loss)
 - Noise Figure <1.8dB @ fo. 2dB max.
 - Input Voltage +2.5VDC to +12VDC (Autoswitch)
- Current 5-10mA typ. @ 5V (11-13mA max. @ 12V)
- Operating Temp. -30°C to +85°C
- Mounting Magnetic and/or screw
 - RG-174U (Low-Loss, 0.7dB/m)
 - 117" +/-6" (3m) Cable Length
 - Connector SMA, MCX, MMCX, other by special order
- Weight 3.32oz (94g)

Ordering Information

- ANT-GPS-SH-SMA (with SMA connector)
- ANT-GPS-SH-MCX (with MCX connector)
- ANT-GPS-SH-MMX (with MMCX connector)

AF.

Antenna Factor 159 Ort Lane Merlin, OR 97532 www.antennafactor.com 541-956-0931 (phone) 541-471-6251 (fax)