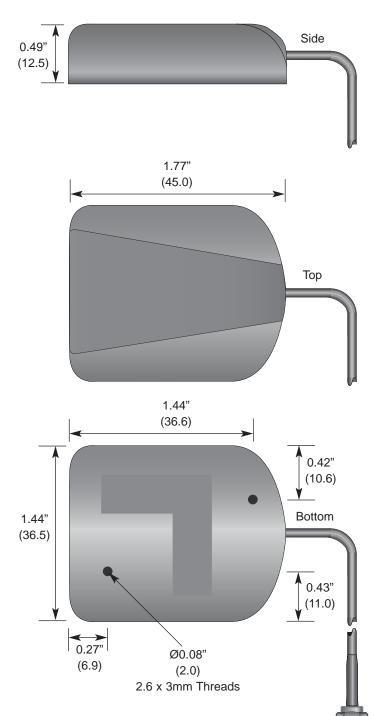


ANT-GPS-SH-xxx DATA SHEET

Product Dimensions



Description

The SH Series is the flagship of the Antenna Factor GPS line. These high-performance **GPS** 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)

5-10mA typ. @ 5V (11-13mA max. @ 12V) Current

Operating Temp. -30°C to +85°C Mounting Magnetic and/or screw

Cable RG-174U (Low-Loss, 0.7dB/m)

Cable Length 117" +/-6" (3m)

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)

