ANT-GPS-SH-XXX

Data Sheet



Product 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, high-performance 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 a 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 Frequency: 1575.42MHz

Bandwidth: 10MHz @ -3dB point

Impedance:50-ohmsVSWR:1.5 typ.Ant. Gain:5.0dB min.Axial Ratio:1.0dB typ.Elev. Angle Cov.:5–90 degreesAz. Bearing Cov.:360 degrees

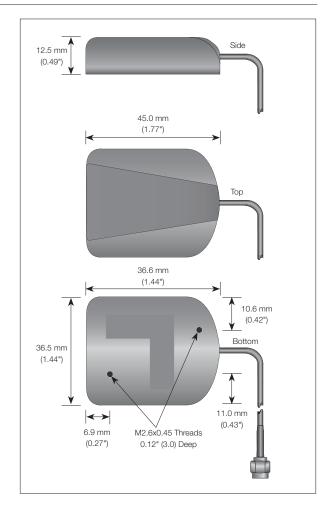
Polarization: RHCP

System Gain: 28dB (typ. includes 4dB

cable & filter loss)

Noise Figure: <1.8dB @ fo, 2dB max. Input Voltage: +2.5VDC to +12VDC

(Autoswitch)



Electrical Specifications Cont.

Current: 5–10mA typ. @ 5V

(11-13mA max. @ 12V)

Oper. Temp. Range: -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)