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-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)

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)