

# M1575HCT-P-SMA

## High Performance GPS Antenna

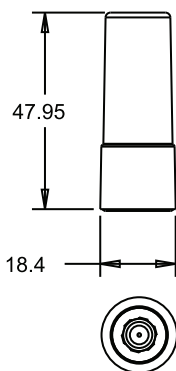
### Description

M1575HCT-P-SMA is a high performance passive antenna designed for the GPS L1 band, built on Maxtena proprietary HeliCore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1575HCT-P-SMA is a screw-on design, featuring an integrated SMA connector. This product is ideal for applications requiring high quality reception of GPS signals. The ultralight weight design is equipped with an O-ring that makes the antenna waterproof, once installed on a mating surface.

### Mechanical Specifications

Parameter	Design Specifications
RF connector	SMA

dimensions are in mm



### Electrical Specifications

Parameter	Design Specifications
Frequency	1575 MHz
Polarization	RHCP
Antenna element peak gain	2.5 dBic
Efficiency	60 %
Bandwidth (-1dB)	20 MHz
Axial ratio	0.2 dB (typical) / 0.5 dB (max)
VSWR	1.5 (max)
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C



Image does not reflect the actual size of the antenna

### Features

- GPS Band
- Very low Axial Ratio
- SMA interface
- Ultralight Weight
- Ground plane independent

### Applications

- Vehicle & Fleet Tracking
- Military & Security
- Asset tracking
- PDAs/ Laptops
- Oil & Gas industries
- Navigation Devices
- Law Enforcement
- LBS & M2M Applications
- Handheld Devices

### Realized Gain Plot

measured at 1575 MHz

