

# MEA-1516

## GPS/GLONASS Antenna

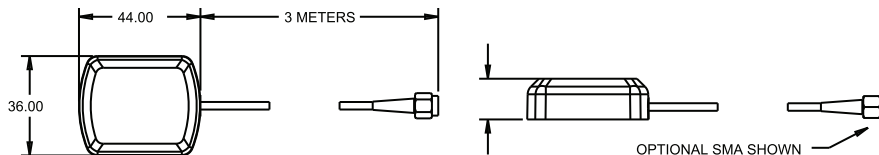
### External Mount

#### Description

This high-performance dual band GPS/GLONASS antenna is designed for various vehicle tracking, oil & gas and M2M applications. The very small size and lightweight make this antenna one of a kind in the market and perfect for a variety of commercial and industrial applications. With a low noise figure and high-linearity LNA, this antenna is the ideal solution for the most extreme and demanding applications, where reliable satellite reception and high accuracy is required. The interface connector is available in SMA, TNC, or other options.

#### Mechanical Specifications

Parameter	Design Specifications
RF connector	SMA, TNC, or other
Cable	RG174 / 3 meters or other
Antenna weight	70 grams (max)



dimensions are in mm

#### Electrical Specifications

Parameter	Design Specifications
Frequency	1590 MHz
Polarization	RHCP
DC voltage	2.5 to 5 V
DC current	11 mA (max)
Bandwidth (-1dB)	15 MHz
Total system peak gain	30 dB @ 2.5 V / 32 dB @ 5 V
Axial ratio	1 dB (min)
VSWR	1.5:1
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C



Image does not reflect the actual size of the antenna

#### Features

- GPS L1 frequency
- Active LNA circuitry
- Waterproof housing
- Custom connector options

#### Applications

- Vehicle & fleet tracking
- Public & government transportation
- Military & security
- Asset tracking
- Agriculture
- Oil & gas industries
- Mining & construction
- Law enforcement
- LBS & M2M applications

#### Realized gain plot

measured at 1590 MHz on a 127X127mm ground plane (E plane, 2.5 V)

