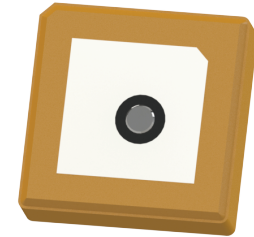




# MPA-134-GPS

## GLONASS MICROSTRIP ANTENNA

Part #: 189-00056-01



### Description

The MPA-134-GPS is a high gain antenna customized for GPS, and GLONASS frequencies. This antenna is designed for embedded applications which feature GNSS such tracking devices and IOT solutions. The MPA-134-GPS utilizes a special semi ceramic based material which leads to higher upper hemisphere efficiency and a lower axial ratio as compared to regular patch antennas. This allows the antenna to be superior and a top choice for demanding GNSS multiband/multifrequency antenna requirements. The MPA-134-GPS ceramic passive antenna is intended for mounting directly on the application PCB with connection via the through-hole pin.

### Electrical Specifications

Parameter	Specification
Range Of Receiving Frequency	1595 - 1610 MHz
Center Frequency	1602 MHz
Bandwidth	16 MHz
Return Loss	≤ -10 dB
VSWR	≤ 2
Gain at Zenith	-1.5 dBic typ.
Axial Ratio	5 dBi
Polarization	RHCP
Impedance	50 Ω

### Mechanical Specification

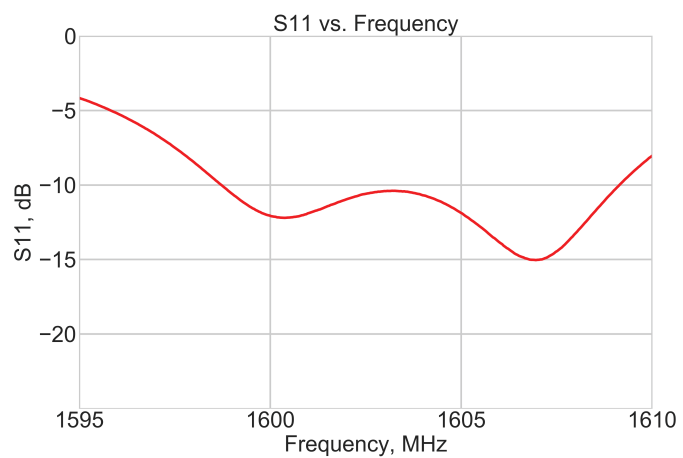
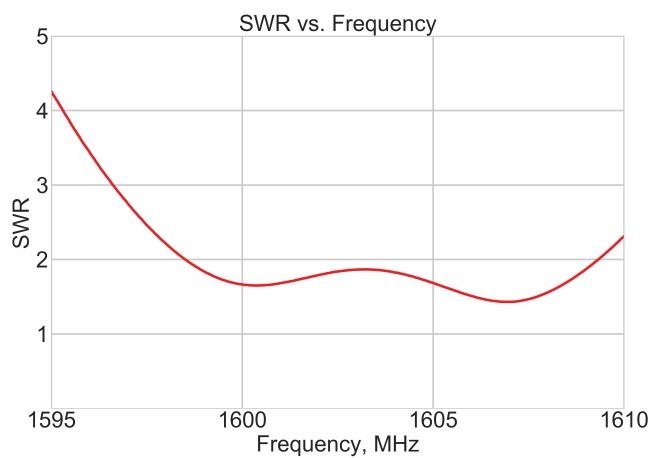
Parameter	Specification
Antenna Dimensions	13 x 13 x 4mm
Materials	Ceramic
Operating Temperature	-40°C to 105°C
RF Connector	Pin - Connector
Mounting type	Surface Mount

### Features

- GLONASS frequency
- Easy mounting
- Pin-Connector
- Compact size
- Advanced Ceramic Material
- Ground Plane Dependent
- Dimensions 13 x 13 x 4 mm

### Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- Embedded applications
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Handheld devices
- Law enforcement



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