



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Miniature magnetic mount active GPS antenna with 2.5m cable and SMA male connector

MIKE13/2.5M/SMAM/S/S/17



Features

- Very small footprint
- 27.6 x 21 x 13.9mm
- GPS (1575.42MHz) - GLONASS version available
- 3.0 to 5.0v operation
- 11mA max current consumption

The Mike 13 GPS antenna is one of the smallest active GPS / GLONASS antennas available in a magnetic mount style. The Mike 13 can also be used as an adhesive mount antenna using a double sided adhesive pad. The Mike 13 has a typical LNA gain of 26dB (without cable) and can operate in temperature range of -40°C to + 85°C and is completely waterproof.

Electrical characteristics - dielectric antenna:

- Centre frequency: 1575.42MHz +/- 3MHz
- Bandwidth: +/- 5MHz
- VSWR: 1.5:1
- Peak gain: 1dBi based on a 7 x 7cm ground plane
- Gain coverage: -4dBic at -90° < 0 < +90° (over 75% Volume)

Electrical characteristics - LNA / filter:

- LNA gain (without cable): 26dB typ
- Noise figure: 1.5dB
- Filter out Band attenuation (f0=1575.42MHz)
 - 7dB min f0+/- 20MHz
 - 20dB min f0+/- 50MHz
 - 30dB min f0+/- 100MHz
- VSWR: <2.0
- DC supply voltage: 3.0 to 5.0V
- DC supply current: 11mA max

Mechanical characteristics:

- weight: <100 gms
- Size: 27.5 x 21 x 13.9mm (without cable)
- Cable: RG174
- Connector: SMA male
- Mounting: magnetic or adhesive

Environmental Characteristics:

- Operating temp: -40°C to +85°C
- Storage temp: -45°C to +100°C
- Humidity: 95% ~ 100% RH
- Weatherproofing: 100% waterproof