



MIKE 3A

GPS IP67 Magnetic Mount Antenna



Key Features

- 28dB LNA gain
- Weather Resistant
- Dual mount
- Ground plane independent

General Description

The MIKE 3A is a compact dual mount GPS antenna, tuned to 1575.42MHz Band L1.

Dual mounting: with its magnetic base and separate adhesive pad, the Mike 3A can be mounted onto a diverse range of surfaces.

The weather resistant design makes it an ideal outdoor GPS antenna that can be used for a host of different GPS applications including: vehicle/fleet/asset tracking and mobile applications.

The built in Low Noise Amplifier (LNA) provides a 28dB gain producing stronger signals which reduce satellite fix times.

Additional Considerations

- Improves signal to noise ratio for mobile applications
- Mixed mounting - magnetic or adhesive pad
- Meets all EU compliance criteria for electronic goods





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Dielectric Antenna

| | |
|-------------------|----------------------------------------|
| VSWR: | 1.5:1 |
| Impedance: | 50 Ohms |
| Centre Frequency: | 1575.42 MHz |
| Peak Gain: | >3dBic (Based on 7 x 7cm Ground plane) |
| Gain Coverage: | >4dBic at 90° |
| Polarization: | RHCP |

GPS Antenna

| | |
|---------------|---------------|
| LNA Gain: | 28 dB Typical |
| Noise Figure: | 1.5 dB |
| Connector: | SMA Male |
| VSWR: | <2.0 |
| DC Voltage: | 3.0 V - 5.0 V |
| DC Current: | 10 mA Max |

Mechanical Specifications

| | |
|------------------|--------------------|
| Dimensions: | L50 x W39 x H17 mm |
| Cable: | RG174 |
| Connector: | SMA Male |
| Mounting Method: | Magnetic |

Environmental Specifications

| | |
|------------------------|---------------|
| Operating Temperature: | -40 - +85 °C |
| Storage Temperature: | -45 - +100 °C |
| Humidity: | 95% - 100% RH |

