

# MiniSat™



## MiniSat – magnetic mount GPS antenna

... a GPS antenna with a Low Noise Amplifier for magnetic mount. MiniSat is small and has an attractive design. It is easy to install and the antenna will not scratch your car roof when you remove it.

MiniSat has been designed to withstand hard operation conditions and a wind speed of 200 km/h (125 Mph).

The antenna comes with SMA female connector but a range of adapters are available, such as SMB female, MCX male and BNC male to suite standard GPS-systems.



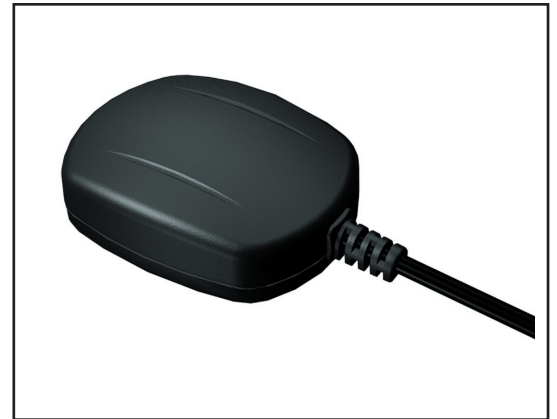
- GPS antenna with a Low Noise Amplifier
- Easy magnetic mount
- Inductive coupling between antenna and ground plane
- Comes with standard SMA connector - optional adapters are available
- Strain relive on cable

# Electrical and Mechanical data for MiniSat telematics/multi purpose magnet mount antenna

## Electrical

---

|                  |  |
|------------------|--|
| ■ Frequency      | 1575.42 MHz  |
| ■ Impedance      | Nominal 50 $\Omega$  |
| ■ Polarization   | RHCP   |
| ■ VSWR           | 1.5:1 @ f0 1575.42 MHz   |
| ■ Gain           | Passive: 5 dBic @ zenith on<br>50 x 50 mm groundplane<br>Active: 27 dB |
| ■ Supply voltage | 3-5 V  |



## Mechanical

---

|             |                                    |
|-------------|------------------------------------|
| ■ Dimension | 43 x 33 x 15 (LxWxH) mm            |
| ■ Weight    | 58 g including cable and connector |
| ■ Material  | Housing: ABS                       |
| ■ Colour    | Black                              |

## Environmental

---

|               |                        |
|---------------|------------------------|
| ■ Temperature | Storage: -40°C +80°C   |
|               | Operating: -25°C +70°C |

## Other

---

|                     |             |
|---------------------|-------------|
| ■ Cable             | RG174 2.5 m |
| ■ Connector         | SMA (male)  |
| ■ ISO9001 Certified |             |

Smarteq reserves the right to change specifications without prior notice.

Smarteq's business concept is to use the latest technology to develop products in the field of wireless telecommunications.  
The business is focused on the development and sale of products for the end market and the OEM market.

### Smarteq Wireless AB

P.O. Box 4064 SE-182 04 Enebyberg Sweden  
Täbyvägen 27 Täby-Stockholm  
info@smarteq.se  
www.smarteq.com