


# Qoltec Mobile GPS GLONASS antenna with magnetic base | omnidirectional | 28dBi | SMA

**Product code: 57055**

The omnidirectional GPS GLONASS antenna with a gain of 28  3 dB has been specially designed for precise reception of navigation signals in the GPS L1 band (1575.42 MHz). The integrated LNA (Low Noise Amplifier) increases reception sensitivity, enabling stable operation even in more difficult terrain conditions and in areas with limited satellite visibility.

## ENHANCED SATELLITE SIGNAL FOR YOUR NAVIGATION SYSTEM



Precise GPS GLONASS L1 reception – stable positioning, low VSWR  1.5, bandwidth 4 MHz

Navigation devices, like other devices requiring constant access to GPS signals, can lose accuracy in difficult conditions – in dense urban areas, between tall buildings, in forests or in places with limited visibility. The Qoltec GPS antenna was designed to eliminate these problems. **With a narrow bandwidth of 4 MHz, the antenna precisely filters the signal in the GPS L1 band (1575.42 MHz), which effectively reduces interference from adjacent frequencies and improves positioning stability. The low VSWR  1.5 ensures a perfect match between the antenna and the receiver, minimising reflected signal loss and guaranteeing maximum RF path efficiency.**

## DESIGNED FOR STABLE NAVIGATION — RELIABLE IN ALL CONDITIONS



Omnidirectional design – reception from multiple directions, full compatibility with GPS thanks to RHCP polarisation
**The omnidirectional design ensures uniform signal reception from multiple directions** , which is particularly important in mobile applications and in places where the position of the device may change. This allows the antenna to maintain stable contact with more satellites simultaneously, regardless of the orientation of the device. **RHCP (Right-Hand Circular Polarisation) ensures proper cooperation with GPS satellites that transmit signals in the same polarisation.**

## SMA CONNECTOR – IDEAL FOR COMPACT DEVICES




Combination of high LNA gain, omnidirectional design and SMA connector
The presented model **is manufactured with attention to the smallest details** . The high ingress protection rating is characterised by **weather resistance**, and the copper material **conducts electricity perfectly and is corrosion resistant.**
**High gain of 28 3 dB, achieved thanks to the integrated LNA amplifier** , significantly increases the sensitivity of the receiver, enabling operation even with a weak or partially obstructed signal. The antenna is **equipped with an SMA connector for easy installation in confined spaces –** ideal for GPS trackers, IoT modules, telemetry systems and compact electronic devices.

## STABLE MOUNTING WHILE DRIVING




Strong magnetic base ensuring antenna stability
The antenna is equipped with a magnetic base that allows for quick and stable mounting on metal surfaces, such as the roof of a vehicle or bodywork components. **A strong magnet ensures a secure hold even while driving, minimising the risk of the antenna shifting or falling off** . Thanks to this solution, installation does not require drilling or the use of additional tools, and the antenna can be easily removed and moved to another location at any time.

## CONFIDENCE CONFIRMED BY A WARRANTY



Product covered by a 24-month warranty
Do you care about the high quality of the product you are buying? Our solutions will meet your expectations. The GPS antenna we offer is covered by a **24-month warranty** valid from the date of purchase.

## TECHNICAL DATA

| | |
|---|---|
| Producer | Qoltec |
| Type | Outdoor |
| Antenna gain | 28 3 dB |
| Wireless standard | 1575.42 MHz (GPS L1) + 1602MHz (GLONASS) |
| Bandwidth | 4MHz |
| Impedance | 50 |
| Polarization | RHCP |
| Antenna connector | SMA |
| VSWR | 1.5 |
| Radiation Pattern | Omnidirectional |
| Input power cable | RG-174 |
| Amplifier | LNA |
| IP rating | IP 65 |
| Additional information | Antenna mounted to the car body using a magnet. |
| OTHER PARAMETERS | |
| Colour | Black |
| Material | Plastic + copper |
| Cable length | 3m |
| Working temperature | -40 +85 |
| Dimensions (D/L x W x H) | 48 x 37 x 15 mm |
| Package contents | 1 x Antenna GPS |
| Package depth / length [mm] | 180 |
| Package width [mm] | 130 |
| Package height [mm] | 15 |
| Net weight [kg] | 0.59 |
| Gross weight [kg] | 0.62 |
| Warranty | 24 month |
| EAN code | 5901878570556 |