

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

Product code: 57054

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.**

FAKRA CONNECTOR – MINIMAL SIGNAL LOSS



Combination of high LNA gain, omnidirectional design and FAKRA connector
The presented model **is made with attention to the smallest details** . The high tightness class is characterised by **weather resistance**, and the copper material **conducts electricity perfectly and is resistant to corrosion.**
High gain of 28 3 dBi, 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 a specialised FAKRA connector, which ensures the highest connection reliability in demanding environments such as cars, industrial vehicles and public transport systems. The FAKRA connector is characterised by high mechanical resistance, minimal signal loss, stable operation and key and colour coding to prevent incorrect connection.**

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	FAKRA
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 36 x 15 mm
Package contents	1 x Antenna GPS
Package depth / length [mm]	180
Package width [mm]	130
Package height [mm]	20
Net weight [kg]	0.63
Gross weight [kg]	0.64
Warranty	24 month
EAN code	5901878570549