

## Datasheet

### GNSS(GPS/GLONASS) Antenna

**GNSS 9 M/series**  
Pt no.  
**602 439-...**

- For interior and exterior mounting at vehicles
- For Car Navigation Systems, Fleet Management Systems, Traffic Guidance Systems, and Vehicle Location



Subject to alterations

#### Technical data

Dimensions	38 x 34 x 15,5 mm
Poids	70 g
Operational temperature	-40° C - + 85° C
Storage temperature range	-40° C - + 85° C
Protection class	IP6k7 (acc. ISO 20653)
Frequency range	GLONASS: 1602,0 - 1614,94 MHz GPS: 1,57542 GHz ± 1,023 MHz (L1-band)
Impedance	50 Ohm
VSWR	<1,5
Polarization	RHCP
Gain	typ. 2 dBic* at 90° Elevation
Amplification	typ. 27 dB ± 1 dB
Noise figure	typ. 1.4 dB
Voltage supply	2,7 V - 5,5 VDC remote fed by GLONASS/GPS receiver through signal cable
Current consumption	≤13 mA @ 5 V ± 0.5 V

\* dBic: referenced to an isotropic radiator, circular polarization

Product name		Cable	Connector
		RG 174	
GNSS 9 M/SMA/3.0	602 439-001	3000 +50 mm	SMAm
GNSS 9 M/FAKRA/5.0	602 439-004	5000 +50 mm	FAKRAf, Code C (AIMET)

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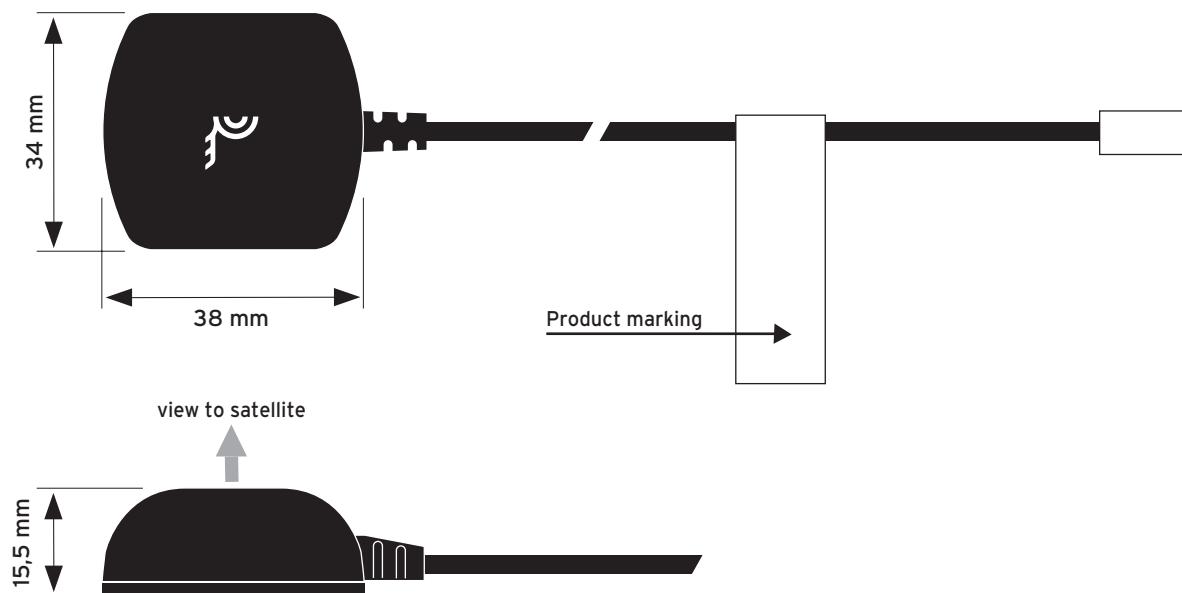
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### Technical drawings



### Installation

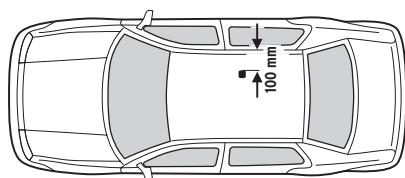


Fig. 1



Fig. 2

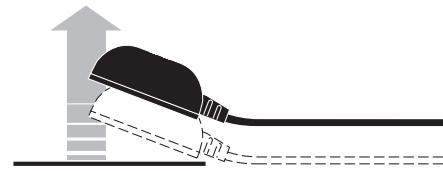


Fig. 3