



HIRSCHMANN MOBILITY

GNSS

Screw Antenna

GNSS 11 S/Series

Part Number 602-442-XXX

Features

- Ceramics Patch Screw Mount Antenna
- For Car Navigation Systems, Fleet Management Systems, Traffic Guidance Systems and Vehicle Location

Technical Data

Dimensions	63 mm x 63 mm x 19 mm
Weight	150 g
Temperature range	Operations: -40°C - +80°C Storage: -40°C - +85°C
Protection class	IP66 (acc. IEC 60529)
Cable type	RG 174

Technical Data

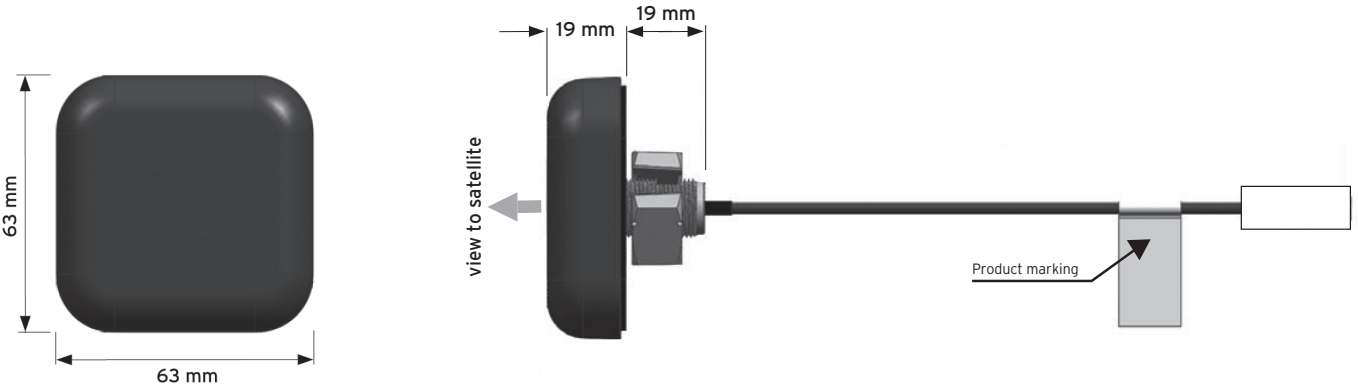
GNSS	
Frequency range	GPS: 1.57542 GHz ± 1.023 MHz (L1-band) GLONASS: 1602.0 - 1614.94 MHz QZSS: 1563 - 1587 MHz (L1)
Return loss	< 1.5 dB
Impedance	50 Ohm
Polarization	RHCP
Radiation pattern (Azimuth)	omnidirectional
Gain	typ. 2 dBic* at 90° Elevation
Amplification	typ. 27 dB ± 1 dB
Noise figure	typ. 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

Versions

PN	Description	GNSS
602-442-001	GNSS 11 S	5000 ±50 mm FAKRAf, C blue
602-442-003	GNSS 11 S/0.2	200 ±10 mm SMBf

Technical Drawing



Installation

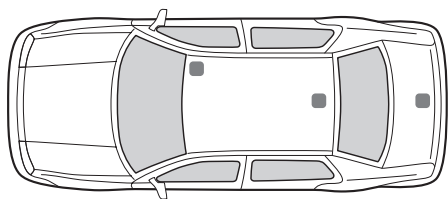


Fig. 1

$15 \pm 0.2 \text{ mm}$

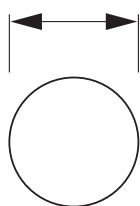


Fig. 2

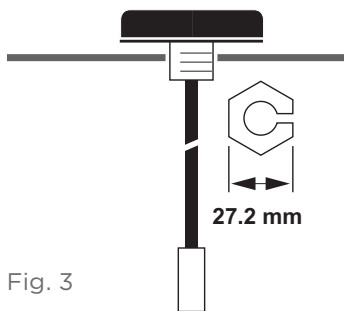


Fig. 3

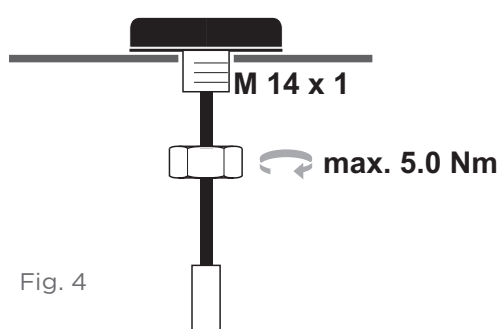


Fig. 4

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