

HIRSCHMANN MOBILITY



GNSS (GPS/GLONASS) Screw Antenna

GNSS 11 S/series
Pt no.
602-442- ...

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

Subject to alterations

Technical data

| | | |
|-----------------------------|---|-----------------------------------|
| Dimensions | 63 x 63 x 19 mm | |
| Weight | 150 g | |
| Operational temperature | -40 °C – + 80 °C | |
| Storage temperature range | -40 °C – + 85 °C | |
| Protection class | IP66 (acc. IEC 60529) | |
| Frequency range | GLONASS: | 1602,0 - 1614,94 MHz |
| | GPS: | 1,57542 GHz ± 1,023 MHz (L1-band) |
| Impedance | 50 Ohm | |
| Return loss | < 1,5 | |
| 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 | |
| Cable type | RG 174 | |
| Cable length | -001: | 5000 ±50 mm |
| | -003: | 200 ±10 mm |
| Connector | -001: | FAKRA female, Code C blue |
| | -003: | SMB female |

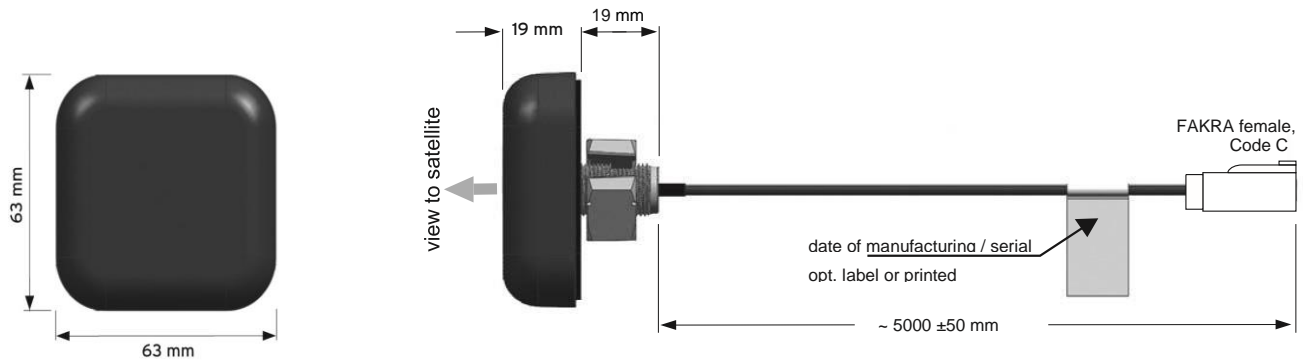
* dBic: referenced to an isotropic radiator, circular polarization

GNSS (GPS/GLONASS) SCREW ANTENNA

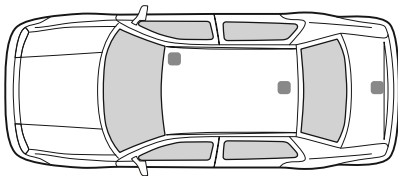
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Technical drawings



Installation



$15 \pm 0,2 \text{ mm/}$
 $0.59 \pm 0.008 \text{ in.}$

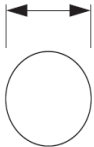


Fig. 2

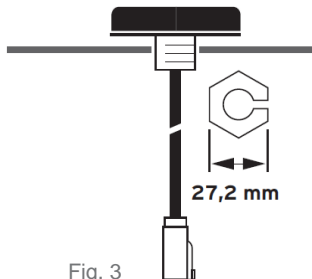


Fig. 3

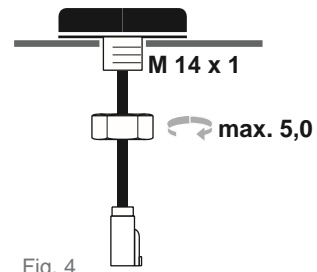


Fig. 4

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