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

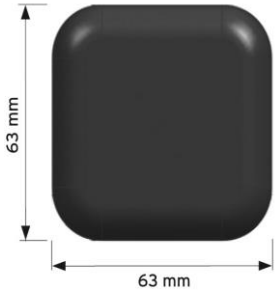
Technical data

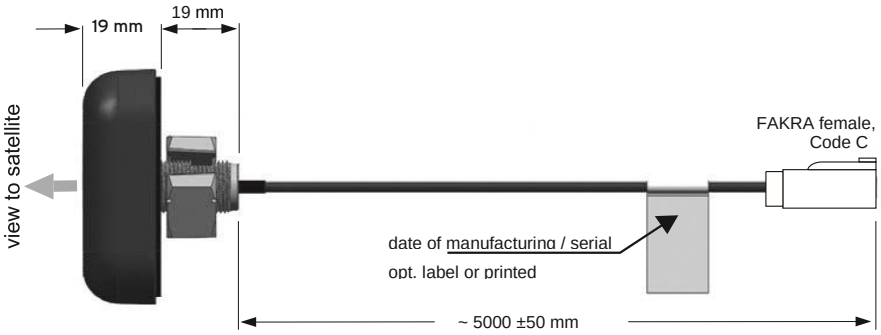
Dimensions		63 x 63 x 19 mm
Weight		150 g
Operational temperature		-40 °C – + 80 °C
Storage temperature range		-40 °C – + 85 °C
Protection class		IP66 (acc. IEC 60529)
Frequency range	GLONASS: GPS:	1602,0 - 1614,94 MHz 1,57542 GHz ± 1,023 MHz (L1-band)
Impedance		50 Ohm
Return loss		< 1,5
Polarization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

* dBic: referenced to an isotropic radiator, circular polarization

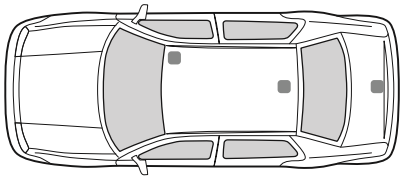
Subject to alterations

Technical drawings





Installation



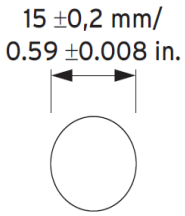


Fig. 2

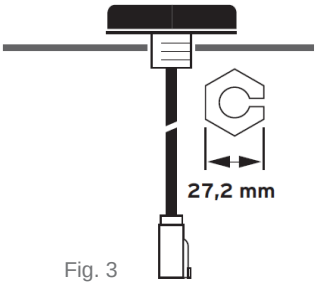


Fig. 3

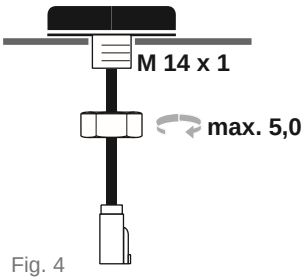


Fig. 4

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