

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

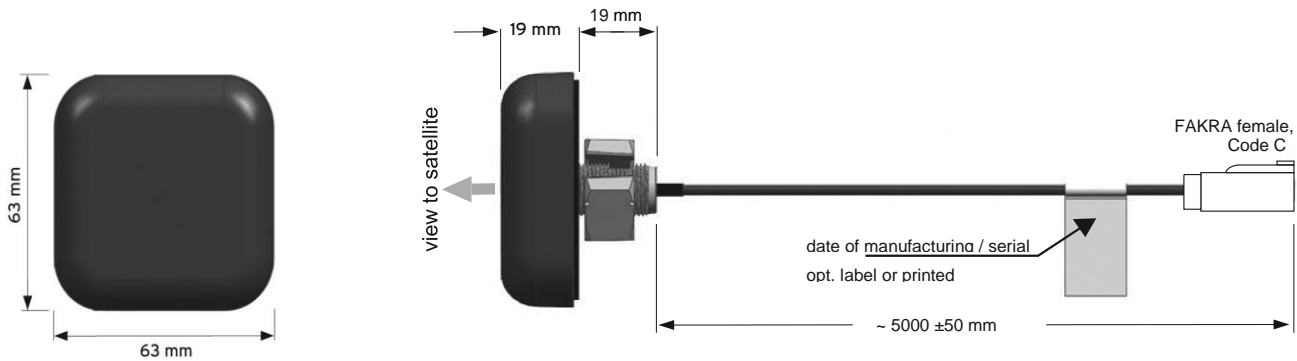
* dBic: referenced to an isotropic radiator, circular polarization

GNSS (GPS/GLONASS) SCREW ANTENNA

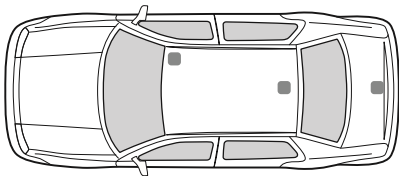
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Technical drawings



Installation



15 ± 0,2 mm/
0.59 ± 0.008 in.

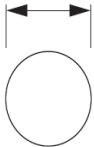


Fig. 2

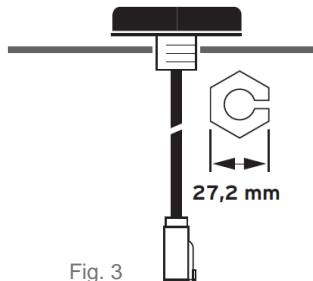


Fig. 3

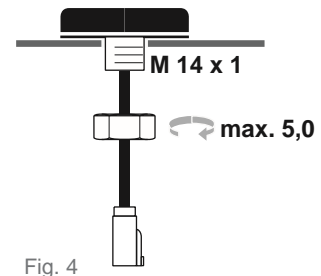


Fig. 4

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