



HIRSCHMANN MOBILITY

**Cellular (2G/3G)/
GPS/ WLAN (2.4GHz)
Screw Antenna**

**GPS 2400 LP/CELL/Series
Part Number 602-430-XXX**

Features

- Low Profile antenna
- Mounting on several surfaces (e.g. plastics, metal ...)

Technical Data

Dimensions	124 mm x 80 mm x 21 mm
Weight	268 g
Housing materials	ASA-PC
Temperature range	-40°C - +80°C
Tightening torque	max. 5 Nm
Protection class	IP66 (acc. ISO 60529)
Cable type	RG 174

Technical Data

Cellular	
Frequency range	GSM 850: 824 - 894 MHz GSM 900: 880 - 960 MHz GSM 1800: 1710 - 1880 MHz GSM 1900: 1850 - 1990 MHz UMTS: 1920 - 2170 MHz
Impedance	50 Ohm
Return loss	> 10 dB
Decoupling	> 40 dB
Gain	0 dBi ²⁾
Diagnostic Resistor	10 kOhm
Load capacity	max. 10 W pulsed acc. GSM standard
GPS	
Frequency range	1.57542 GHz $\pm$ 1.023 MHz (L1-band)
Impedance	50 Ohm
Current consumption	13 mA@ 5 V $\pm$ 0.5 V (typ. 10 mA)
Gain	min. 2 dBi ¹⁾
Amplification	typ. 26 $\pm$ 2 dB
Noise figure (50 Ohm)	typ. $\leq$ 1.4 dB typ.
Voltage supply	2.7 V - 5.5 VDC (remotely fed)
WLAN	
Frequency range	Bluetooth: 2400 - 2484 MHz IEEE Std. 802.11b: 2412 - 2484 MHz
Impedance	50 Ohm
Load capacity	max. 1 W (acc. IEEE 802.11b)
Gain	0 dBi ²⁾
Diagnostic resistor	10 kOhms
Return loss	> 12 dB

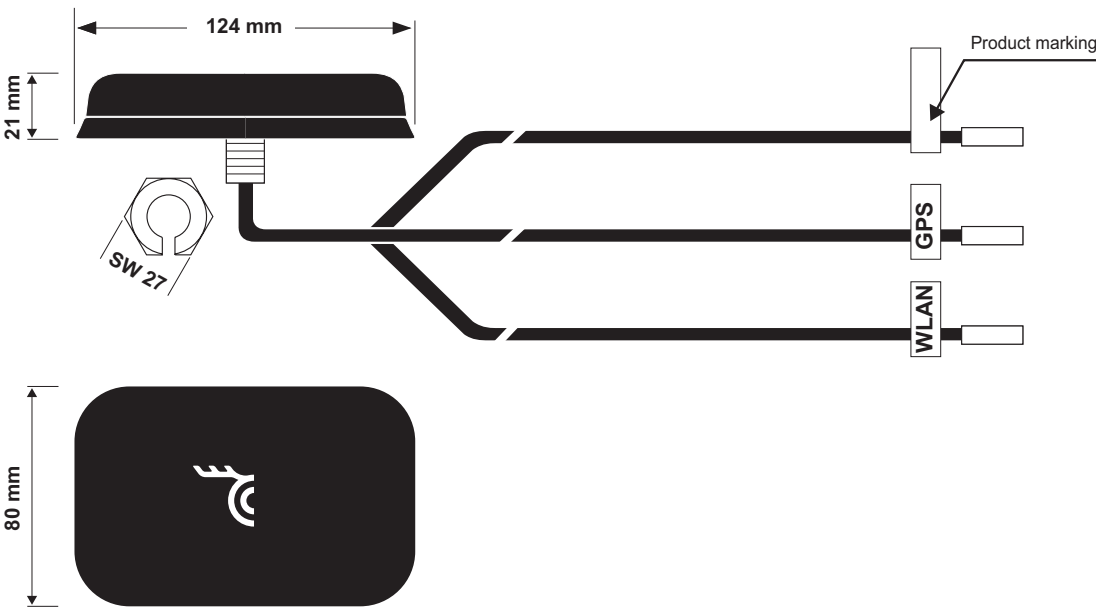
¹⁾ dBi: referenced to an isotropic radiator, circular polarization

²⁾ dBi: referenced to an isotropic radiator

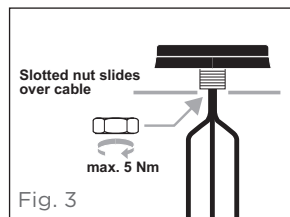
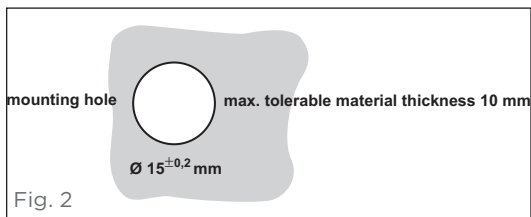
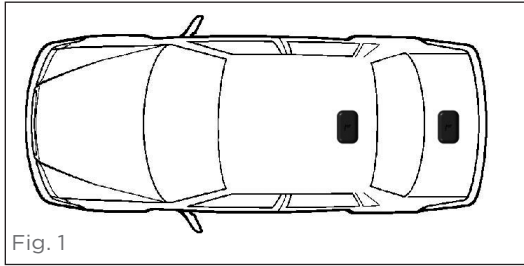
Versions

PN	Description	CELL	GPS	WLAN
602-430-001	GPS 2400 LP CELL/SMA/0.2	200 mm SMAm	170 mm SMAm	140 mm SMAm
602-430-007	GPS 2400 LP CELL/SMB/MCX/SMA/0.2	200 mm MCXm	170 mm SMBf	140 mm SMAm

Technical Drawing



Installation



te.com/hirschmann-mobility

hirschmann-mobility@te.com

Hirschmann Car Communication GmbH,
a TE Connectivity Company
Stuttgarter Strasse 45-51
72654 Neckartenzlingen | Germany
Phone: +49 7127 14-0 | Fax: +49 7127 14-1428

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