



## HIRSCHMANN MOBILITY

**Cellular (2G/3G/4G)/  
GNSS (GPS/GLONASS)/  
Adhesive Antenna**

**CGN 7026 LP LC P/Series**

**Part Number 955-179-XXX**

### Features

- 4G LTE and GNSS low profile antennas for use in telematic applications
- Low profile (20 mm max. height)
- Mounting on non-conductive surfaces

### Technical Data

Dimensions	102 mm x 66 mm x 20 mm
Weight	139 g
Temperature range	-40°C - +85°C
Protection class	IP66 (acc. IEC 60529)
Cable type	RG 174 LL, ROHS

## Technical Data

4G LTE Cellular	
Frequency range	LTE-LB: 698 - 862 MHz GSM 850: 824 - 894 MHz GSM 900: 880 - 960 MHz GSM 1800: 1710 - 1880 MHz GSM 1900: 1850 - 1990 MHz LTE-HB: 2305 - 2690 MHz
Impedance	50 Ohm
Polarization	vertical
VSWR	max. 2.8:1
Gain	typ. 0 dBi <sup>1)</sup>
Diagnostic Resistor	10 kOhm
Power Rating	min. 2 W pulsed
GNSS	
Frequency range	GPS: 1563 - 1587 MHz GLONASS: 1593 - 1610 MHz
Gain	typ. 2 dBic <sup>2)</sup>
Amplifier Output (VSWR)	1.5:1
Amplification	+26 ± 2 dB
Noise figure (50 Ohm)	typ. 1.5 dB
Voltage supply	2.9 - 5.0 VDC
Current consumption	≤ 13 mA ±2 mA

<sup>1)</sup> dBi: referenced to an isotropic radiator

<sup>2)</sup> dBic: referenced to an isotropic radiator, circular polarization

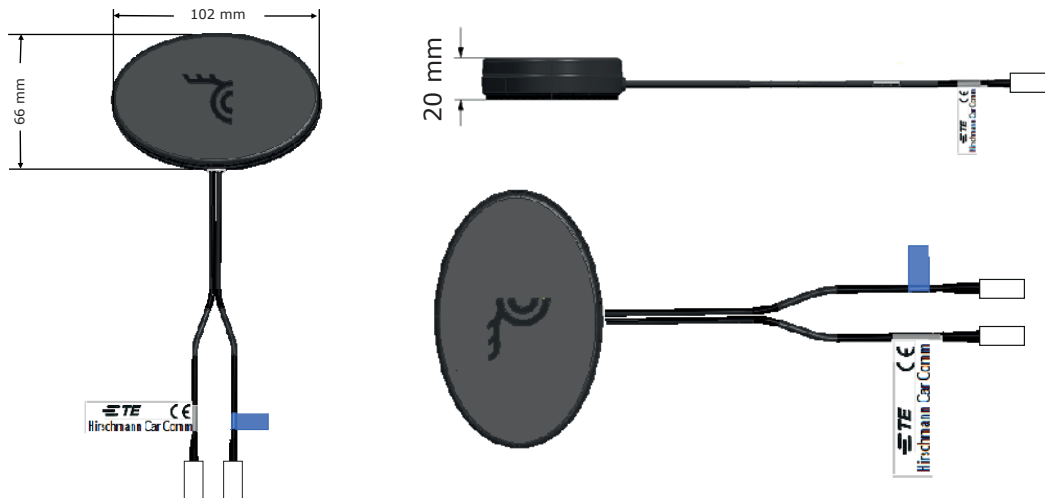
Gain performance is dependent on several factors, include mounting orientation, mounting relative to adjacent surfaces (i.e., mounted over a metallic ground plane vs. non-metallic surfaces or in free space), elevation of the antenna relative to the signal source, cable length, and other factors. Please consult TE Hirschmann for any application specific performance questions.

## Versions

PN	Description	CELL	GNSS
955-179-001	CGN 7026 LP LC P/FAKRAwp/3.0	3000 +30 mm FAKRAf, Code D bordeaux (waterproof)	3000 +30 mm FAKRAf, Code C blue (waterproof)
955-179-002	CGN 7026 LP LC P/SMA/3.0	3000 +30 mm SMAm	3000 +30 mm SMAm
955-179-003	CGN 7026 LP LC P/FAKRA/3.0	3000 +30 mm FAKRAf, Code D bordeaux	3000 +30 mm FAKRAf, Code C blue

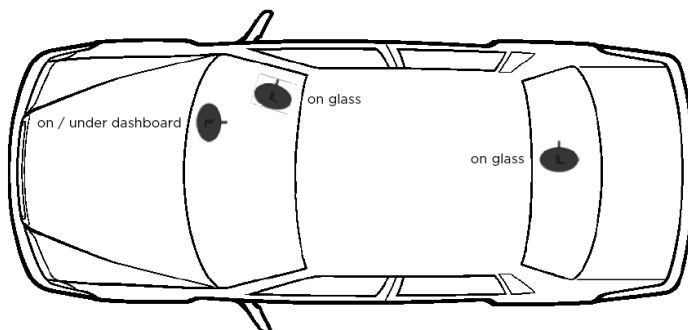
Customization of cable lengths, types and connectors possible

## Technical Drawing



## Installation

- Choose appropriate mounting location on flat non-conductive surface (see Sketch #1)
- Place antenna in desired mounting location (do not apply adhesive pad yet); route and connect cables
- Clean mounting place with isopropyl alcohol or similar
- Apply adhesive pad to antenna bottom when installing antenna on top of surface on antenna top when installing antenna on glass ensuring the logo faces skywards after mounting
- Mount antenna on non-conductive surface



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