



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 ¹⁾
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 ²⁾
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

¹⁾ dBi: referenced to an isotropic radiator

²⁾ dBic: referenced to an isotropic radiator, circular polarization

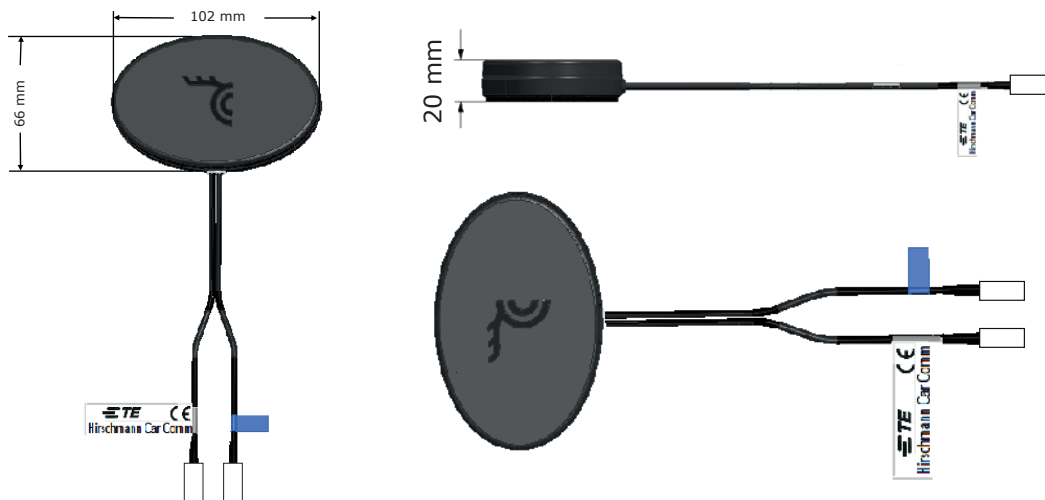
Gain performance is dependent on several factors, include mounting orientation, mounting relative to adjacent surfaces (i.e., mounted over a metallic ground plane vs. non-metallic surfaces or in free space), elevation of the antenna relative to the signal source, cable length, and other factors. Please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

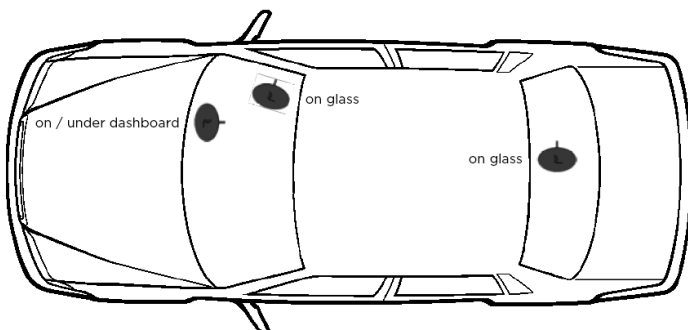
Customization of cable lengths, types and connectors possible

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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