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

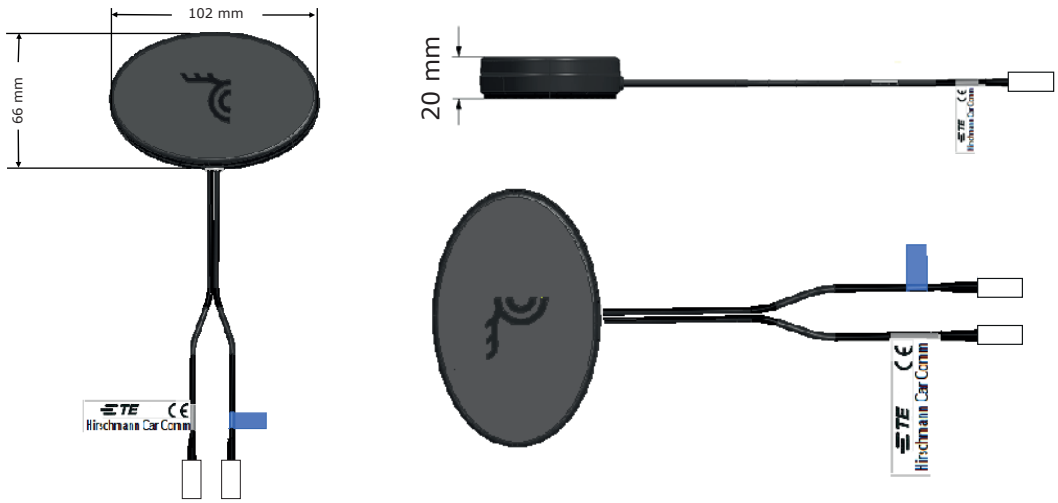
[1)] dBi: referenced to an isotropic radiator
[2)] dBic: referenced to an isotropic radiator, circular polarization
Gain performance is dependent on several factors, include mounting orientation, mounting relative to adjacent surfaces (i.e., mounted over a metallic ground plane vs. non-metallic surfaces 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

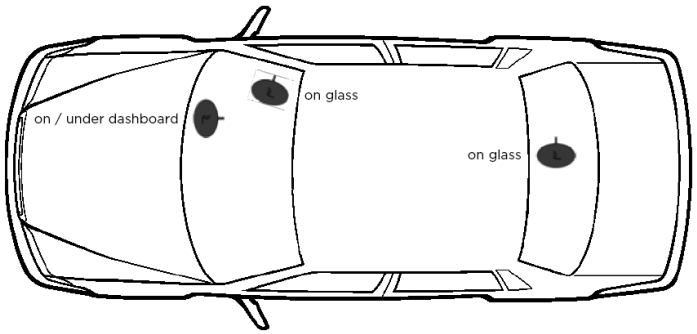
Customization of cable lengths, types and connectors possible

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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