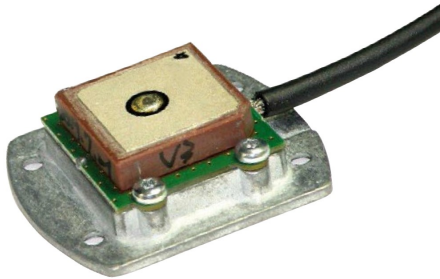


HIRSCHMANN MOBILITY

GPS Embedded Antenna

GPS 9 I/series
Pt. no.
956-510-5..



- For use in telematic applications
- Low profile (10 mm height)
- Adhesive or screw mount
- Customization of cable lengths, types and connectors possible

Subject to alterations

1. Technical data

Dimensions	32mm x 36mm x 10mm
Weight	140g
Temperature range	-40°C to +85°C
Protection class	n/a
GPS	
Frequency range	1.57542 GHz ± 1.023 MHz, (L1 - band)
Impedance	50 Ohm
Gain	2 dBic min. ¹
Amplification	27 ± 1 dB typ.
Noise figure (50 Ohm)	≤ 1.4 dB typ.
Voltage supply	2.7 V - 5.5 VDC
Current consumption	≤ 13 mA at 5V ± 0.5V (Typ. 10mA)
Cable type	RG174
Cable	Various available - customization on demand
Connector	Various available - customization on demand

¹ dBic: referenced to an isotropic radiator, circular polarization

2. Product Family

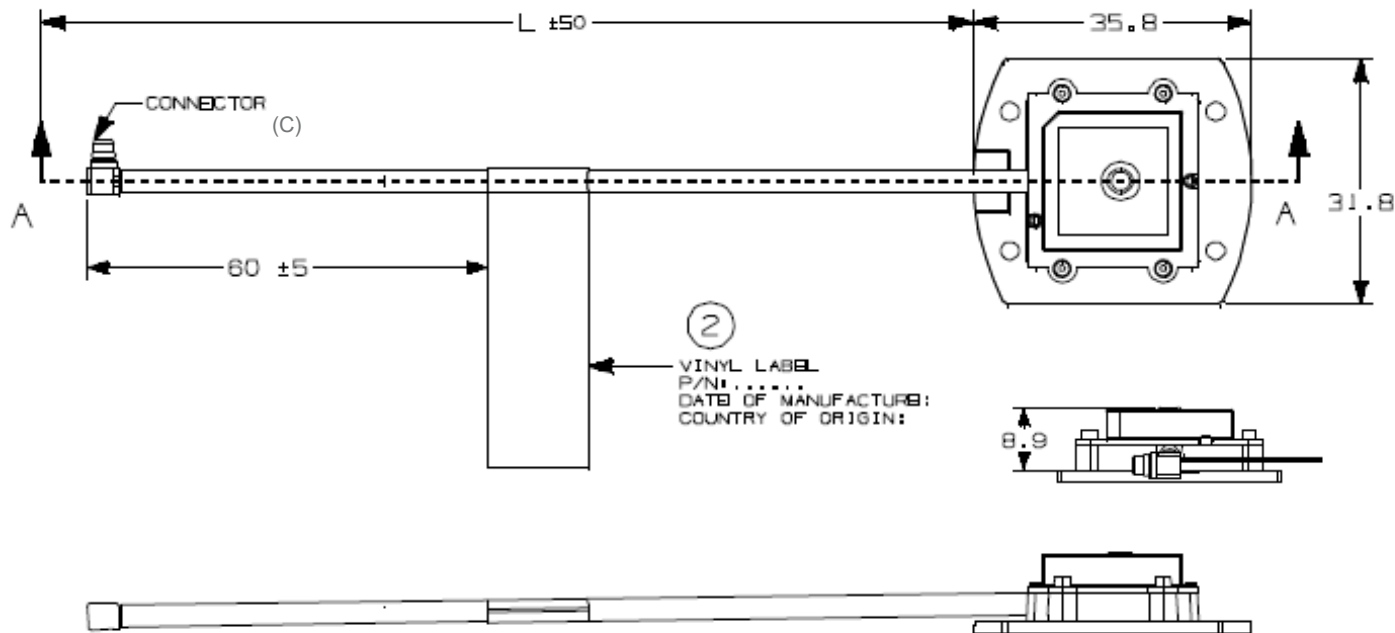
Order Code	Cable (length)	Connector	Remark
	GPS	GPS	
Versions	L	C	
956-510-501	200 mm	ra SMA male	Cable RG174, ROHS
956-510-502	200 mm	ra MCX male	Cable RG174, ROHS
956-510-503	200 mm	ra MMCX male	Cable RG174, ROHS

*ra = Right angled.

Customization of cable lengths, types and connectors possible.

Subject to alterations

3. Technical Drawings



4. Mounting example and procedure

Vehicle roof mounting

Mounting requirements and restrictions

- Choose appropriate mounting location on flat surface
- 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
- Mount antenna on conductive or non-conductive surface.

Attention

Some automotive materials may not be suitable for adhesive application.

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