

GNSS HG

GPS/Glonass Antenna



GNSS HG is the perfect option for applications which require high positioning accuracy by combining signals from GPS and Glonass systems. The antenna is ideal for installation where a durable, standalone antenna with small size is needed.

- 1575.42MHz and 1598.06-1609.31MHz
- Adhesive mounting
- Approved according to VW TL80101
- IP67 and IPX9K class

Specifications

Electrical

Frequencies	GPS	1575.42MHz
	Glonass	1598.06-1609.31MHz
Bandwidth	GPS	2MHz
	Glonass	11.25MHz
Impedance	50Ω	
Polarization	RHCP	
Gain	28dB	
Noise figure	1.2dB	
VSWR	1.5:1	
Filter BW @ -2dB	>43MHz	
Filter BW @ -20dB	<120MHz	
Filter BW @ -35dB	>140MHz	
Filter center frequency	1592.5MHz	
Out of band rejection Fc±50MHz	>25dB	
Supply current @ 2.6-6VDC	17-19mA	
Patch antenna gain @ zenith	3.5dBic (on 50 x 50mm ground plane)	
Axel ratio	3dB	
Supply voltage	2.6-10VDC (phantom feed)	

Mechanical

Dimensions (L x W x H)	37 x 32 x 14mm	
Cable	RG174, black Cable length is defined by part number acc. to below.	
Connector	Connector type is defined by part number acc. to below.	
Weight	~35g	
Material	ABS (housing)	
Color	Black	
Temperature	Storage	-40°C to +85°C
	Operating	-40°C to +85°C

Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments industry, energy and vehicles.

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Other

This part is RoHS compliant.

Part number

710158	Cable length 2.5m, Connector SMA(m) Other cable lengths and connectors are available upon request.
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Smarteq reserves the right to change specifications without prior notice.