

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 $F_c \pm 50\text{MHz}$	>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.

Certified according to 2014/53/EU Radio Equipment Directive (RED)

Part number

710158

Cable length 2.5m, Connector SMA(m)

Other cable lengths and connectors are
available upon request.

Smarteq reserves the right to change specifications without prior notice.