

GPS HG

- ◆ High performance GPS antenna
- ◆ Durable design
- ◆ Verified according to VW 80101
- ◆ High LAN gain 29dB
- ◆ Operating voltages 2.6 to 12V!
- ◆ Low Noise figure 1.2dB
- ◆ IP67
- ◆ Mounting by means of magnet or adhesive

Mechanical parameters

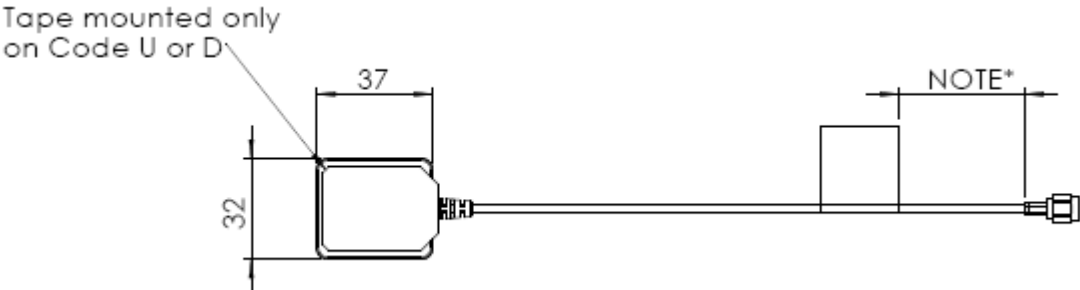
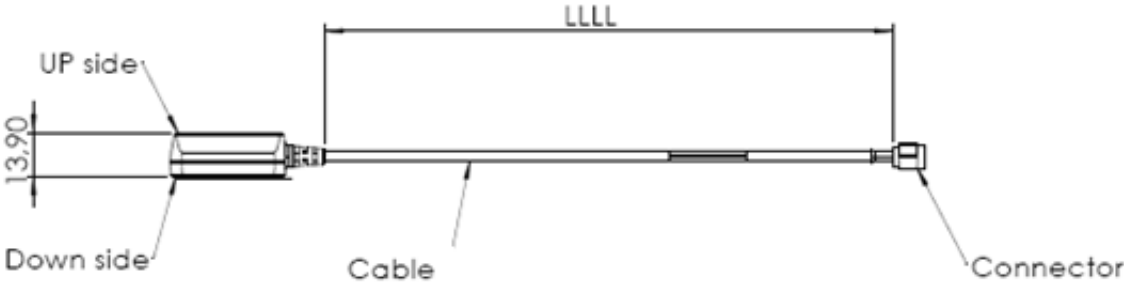
Parameter	Value	Units
L x B x H	37 x 32 x 14	mm
IP class	67	
Temperature	-40 to + 85	Celsius
Cable	RG174	
Cable length	2.5	m
Connector GPS	SMA-Male	

Electrical parameters

Parameter: GPS	Value (typ)	Units
GPS frequency	1575.42	MHz
Bandwidth	2	MHz
Impedance	50	Ω
LNA Gain (S21) @ Fc	28	dB
Supply voltage (phantom feed)	2,6 - 12	VDC
Noise figure @ BW	1.2	dB
VSWR @ Fc	1.5	ratio
Out of Band rejection Fc+50MHz	>25	dB
Supply current @ 2.6 to 6VDC	17 - 19	mA
Patch antenna gain @ zenit	3.5*	dBic
Polarisation	RCHP	
Axial ratio	3	dB
(LNA gain @2VDC)	26	dB

* On 50x50mm GND plane

Mechanical outline



Custom specific	Code S
Magnet inside (standard)	S
Tape mounting Up-side (No magnet inside)	U
Tape mounting down-side (No magnet inside)	D



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