



DURABLE GPS ANTENNA

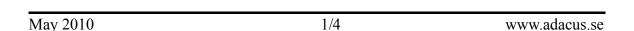
- GPS Active Antenna
- For demanding use
- 28 dB Gain
- 2.5 5.5 V
- Double locking



ADA-H76F is a State-of-the-Art Low Noise Amplifier, High Gain, small size active GPS antenna.

It is delivered with fixed RG58 Low Loss durable cable for maximum performance.

Features a double threaded bolt with course and fine threaded pitch for wing nut fastener and locking nut to prevent vibrations and unauthorized removal



Specification

Category	Patch Antenna Element	
Frequency	1575.42 MHz ±1.023 MHz	
Polarization	R.H.C.P.	
Gain at Zenith	Typ. + 5.0 dBi	
Gain at 10° Elevation	Typ 1.0 dBi	
Axial Ratio	3 dBi max	
Output V.S.W.R.	1.5 max	
Output Impedance	50 Ω	

Category	Low Noise Amplifier
Frequency	1575.42 MHz ±1.023 MHz
Power Gain	30 dB
Bandwidth	2.0 MHz min.
Noise figure	1.5 max
Outer Band Attenuation	20 dB min. @ Fo ± 50 MHz
Supply Voltage	2.5 – 5.5 VDC
Current consumption	$12 \text{ mA} \pm 2 \text{ mA}$
V.S.W.R.	2.0 max
Output Impedance	50 Ω

Category	Cable and Connector	
RF Cable	Standard 3 m RG58/U (other cable length available on request)	
Connector	Any standard RF connector	
Pulling strength	6 Kgs/5sec with molded connector	

Category	Overall Perform
Center Frequency	1575.42 MHz ±1.023 MHz
Gain	28dB typ.
Noise Figure	2.0 dB min.
Axiel Ratio	3 dB max.
Bandwidth	2 MHz min.
VSWR	2.0:1 max.
Output Impedance	50 Ohm

Category	Environmental Condition	
Operating temperature	-30 — +85 ° C	
Storage temperature	-40 — +95 ° C	
Relative humidity	95% non-condensing	
Water resistance	100 % water proof	

Category	Physical construction	
Material	Polycarbonate radome	
Dimension	60 mm (D) X 38 mm (H)	
Weight	65 g without cable and connector	
Color Radome	Ivory white (other colors available on request)	
Standard mounting	Centre bolt screw type	

Ordering codes

TYPE	Description	Comment
ADA-H76F	Standard colour and cable length	GPS antenna

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