
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 $\pm$ 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 $\pm$ 1.023 MHz
Power Gain	30 dB
Bandwidth	2.0 MHz min.
Noise figure	1.5 max
Outer Band Attenuation	20 dB min. @ $F_o \pm 50$ MHz
Supply Voltage	2.5 – 5.5 VDC
Current consumption	12 mA $\pm$ 2 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 $\pm$ 1.023 MHz
Gain	28dB typ.
Noise Figure	2.0 dB min.
Axial 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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