
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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