

GPS Small Antenna Module

- **GPS Active Antenna**
- **17dB Gain**
- **High Sensitivity**
- **Low current consumption**
- **Additional MMCX connector**
- **Suitable for embedded applications**



ADA-12 is a most compact GPS antenna module in the market. It's specially designed for the portable device that needs GPS antenna embedded such as PND, laptop, mobile phone and so on. Also, ADA-12 is compatible with most GPS receives available on the market and provides a perfect alternative for the application of the GPS in different fields.

Specification

Category	GPS
Frequency	1575.42 ± 3 MHz
Polarization	R.H.C.P.
Antenna Gain	Typ. 1.0 dBic
Bandwidth	5 MHz min @S11-10 dB.
	LNA
Amplifier Gain	Typ 17 dB
Noise figure	Typ 1.3 dB
Output Impedance	50 Ω
VSWR	< 2.0:1
	Electrical Specifications
Supply Voltage	3.0 VDC
Power consumption	3.9 mA (3.0 VDC)
Total Gain	16 dB
Impedance	50 Ω
VSWR	< 2.0 : 1
RF Cable	5 cm OD 1.13 (std)
Connector	U.FL. (std)
	Overall Performance
GPS part size	12 x 12 x 6.25 mm
Weight	5 ± 0.5 grams
Mounting	Sticky tape
Operating temperature	-40 — +85 ° C
Storage temperature	-40 — +85 ° C

Ordering codes

TYPE	Description	Comment
ADA-12	Cable Length and Connector	GPS antenna module

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