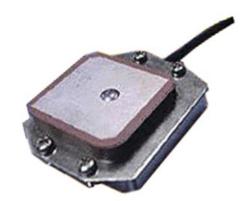


# ADA-76C

## **GPS** Antenna Module

- GPS Active Antenna
- 28dB Gain
- High Sensitivity
- High Performance
- Wide Range Voltage
- Suitable for embedded applications

ADA-76C is the integration of a high performance GPS patch antenna , filter and a state-of-the-art low noise amplifier mounted together. The unit provides excellent antenna signal amplification to any GPS receiver with a  $+2.5 \sim 5.0$ VDC antenna power on the center pin.



#### Specification

Category	GPS	
Frequency	1575.42 ± 3 MHz	
Polarization	R.H.C.P.	
Antenna Gain	Typ. 5 dBi	
Bandwidth	2 MHz min	
	LNA	
Amplifier Gain	Typ 28 dB	
Noise figure	Typ 2.5 dB	
Output Impedance	50 Ω	
VSWR	< 2.0:1	
	Electrical Specifications	
Supply Voltage	2.5 – 5.5 VDC	
Power consumtion	12 mA (3.0 – 5.0V DC)	
Total Gain	26dB	
Impedance	50 Ω	
VSWR	< 2.0 : 1	
RF Cable	RG 178/U (std), others available	
Connector	Standard RF Connectors	
	Overall Performance	
GPS part size	29 x 38 x 10.5 mm	
Weight	$20 \pm 0.5$ grams	
Mounting	Sticky tape	
Operating temperature	-30 — +85 ° C	
Storage temperature	-40 — +90 ° C	

### Ordering codes

ТҮРЕ	Description	Comment
ADA-76C	Cable, length and Connector	GPS Antenna Module

For the latest updates, visit our Web site: www.adactus.se

#### Disclaimer

Information furnished is believed to be accurate and reliable. However, Adactus assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. Adactus reserves the right to make changes without further notice to any product herein to improve reliability, function or design. Adactus does not assume any liability arising out of the application or use of any product described herein. This publication supersedes and replaces all information previously supplied. Adactus products are not authorized as critical components in life support devices or systems.