

## AU-12-5B “GPS Antenna”

- ❑ Die AU-12-5B ist eine Integration eines Hochleistungs-GPS Patch-Antenne
- ❑ Sensitive GPS-Antenne mit ausgezeichneter Signalverstärkung für mobile Anwendungen
- ❑ Die Antenne ist mit fast jedem GPS-Empfänger-Modell auf dem Markt kompatibel
- ❑ Low Noise Figure
- ❑ Schraub & Magnet Befestigung
- ❑ Hervorragende Temperaturstabilität
- ❑ Völlig wasserdicht
- ❑ Hohe Empfindlichkeit

### Applications:

- Military
- Automobile GPS
- Car Tracking Navigation System
- AVL / Fleet Management System
- External Antenna for Handheld GPS
- Ideal for PDA, HPC and other computing devices in GPS applications



# Datasheet AU-12-5B Antenna

## **Mechanical Data:**

Size in mm (LxWxH)	58x48x14
Cabel	5m RG174/U Standard, other length on request
Pulling Strength	6kg for 5 sec. With molded plastics on con- nector end for strain relief
Connector available	BNC,TNC,FME,(to be adapted) GT5, MCX (OSX), SMA,SMB or SMC in straight or right angle type
Optional	Universal Connector Adapter FME to TNC, BNC, SMA, SMB, MCX
Mounting	magnetic & screw mount

## **Environmental Conditions:**

Operating Temp.	-30°C ~ + 85°C
Storage Temp.	-40°C ~ + 100°C
Relative Humidity	20% to 95%

## **Antenna Element:**

Center Frequency	1575.42Mhz+/-1.023MHZ
Polarization	R.H.C.P.
Absolute Gain @ Zenith	+ 5dBi typical
Gain @ 90° Evation	3 dBi typical
Axel Ratio	4 dB max

## **Low Noise Amplifier:**

Frequency Range	1575.42Mhz+/-1.023MHZ
Gain	23 dB typical
Noise Figure	1.5 dB
Output Impedance	50Ω
VSWR	2.0 max

## **Overall Specifications through Antenna**

Frequency Range	1575.42Mhz+/-1.023MHZ
Gain	20+/-6dBi
Noise Figure	1.6 dB
Output Impedance	50Ω
VSWR	2.0 max
Supply Voltages	4.0 ~+5.25 V DC

## **Contact us:**

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