

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:

TecSys GmbH

Karl-Theodor-Str. 55
80803 Munich
Germany

Email: mark@tecsys.de

Internet: <http://www.tecsys.de>

Phone: +49 89 321 990 14

Fax: +49 89 307 21 65

