

Micromouse

24 dB Gain Mobile GPS Antenna

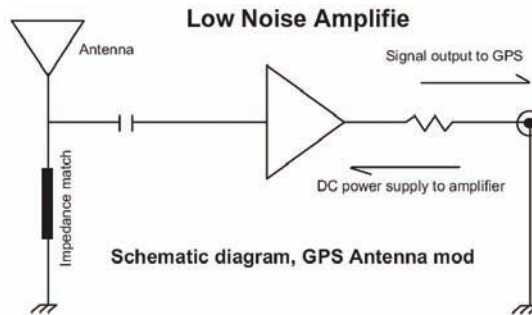


features

- 24dB gain active GPS antenna
- Max of 12mA current consumption
- Input range: 2.5 VDC to 5.5 VDC
- .30 grams (less cable & connector)
- 30 to +85° C operating range, Fully waterproof
- Choice one for the following connectors: SMA, SMB, BNC, MCX, TNC or NTYPE
- Right-angle connector available

List of Receivers and their Connectors

Receiver	Connector
GPS 60 Series	MCX
Quectel	MCX
iQue 3600, 3200, M3, M5	MCX
Streepilot 2610, 320, 330, 340, 12, 13	MCX
Garmin 12XL, 12CX, 12MAP, 76, MAP76MAP, 76S	MCX
Garmin Chartplotters	BNC
Garmin GPSMAP 376/276/176	BNC
Garmin 40	MCX
Garmin 45, 45XL, 48	BNC
Garmin 175	MCX
Garmin II, III, III+, V, StreetPilot 3	BNC
Garmin eMap	MCX
Magellan Meridian Color, Mobile Mapper	MCX
Magellan ColorTRAK, Tracker, 410	SMB
Motorola	SMA
Trimble CM3	SMB
Trimble SK-S (Larsen)	SMB
Trimble SK II	SMB
Trimble ACE	SMB
Trimble SVee Six (+)	SMB



specifications

Physical Construction

Constructions: Polycarbonate radome / metal base
 Dimension: 33.95mm(L) x 25.20mm(W) x 10.60mm(H)
 Weight: 30grams (less cable & connector)
 Color of Radome: Standard in dark gray
 Standard Mounting: Magnet
 Antenna Element:
 Center Frequency: 1575.42 MHz +/- 1.023MHz
 Polarization: R.H.C.P.
 Absolute Gain @ Zenith: +5 dBi typical.
 Gain @ 10o Elevation: -1 dBi typical.
 Axial Ratio: 3dBi max.
 Output VSWR: 1.5 max.
 Output Impedance: 50

Low Noise Amplifier

Center Frequency: 1575.42MHz +/- 1.023 MHz
 Power Gain: 28 dB typically
 Bandwidth: 2 MHz min.
 Noise Figure: 1.5 max.
 Outer Band Attenuation: 20dB min. @ FO +/- 50MHz
 Supply Voltages: +2.5 ~ 5.5V DC
 Current Consumption: 12 mA +/- 2 mA
 VSWR: 1.5 max.
 Output Impedance: 50

Cable & Connector

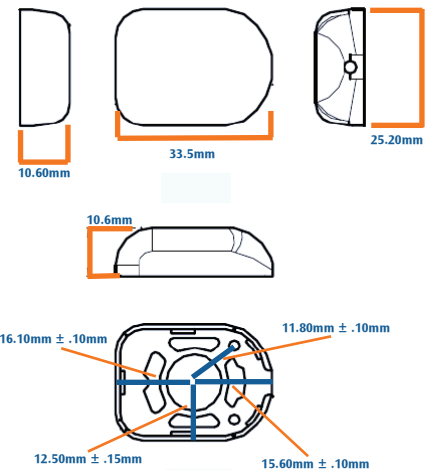
RF Cable: 3 meter RG174/U (standard)
 Pulling Strength: 6 kg. /5sec with molded connector
 Connector Available: BNC, TNC, FME(to be adapted), GT5, MCX(OSX), SMA, SMB or SMC in straight or right angle type
 Optional Adapters: FME-MCX, FME-BNC, MFE-SMA, FME-SMB, FME-TNC

Overall Performance (antenna element, LNA & coax cable)

Center Frequency: 1575.42 MHz.
 Gain: 26dB min.
 Noise Figure: 2.0 max.
 Bandwidth: 2 MHz min.
 Axial Ratio: 3 dB max.
 VSWR: 1.5 max.
 Output Impedance: 50

Environmental Condition

Operating Temperature: -30 dgrC +85 dgrC
 Storage Temperature: -40 dgrC ~ +90dgrC
 Relative Humidity: 95% non-condensing.
 Water Resistance: 100% waterproof.



Part Number

Micro Mouse (MK76)

Description

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