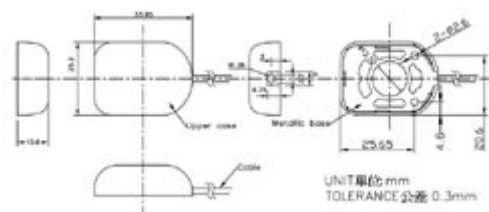


MK-76 “Mini GPS Antenna“

- ❑ The Mk 76 is the most compact GPS antenna available on the market
- ❑ Sensitive GPS antenna with Excellent Signal Amplification for Mobile Applications
- ❑ The antenna is compatible with almost every GPS receiver model on the market
- ❑ It provides an excellent alternative for a wide range of GPS applications
- ❑ Screw & Magnet Mount Base
- ❑ Various colors upon request
- ❑ Excellent Temperature Stability
- ❑ Fully Weatherproof
- ❑ Low Noise Figure
- ❑ Ultra High Sensitivity

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 MK-76 Antenna

Mechanical Data:

Size in mm (LxWxH)	33.95x25.20x10.60
Weight	30gram less cable&con.
Color	dark gray (standard), other colors upon request
Cabel	3m 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, SMA, (OSK) SMA SMB or SMC in straight or right angle type
Optional	Universal Connector Adapter FME~MCX,FME~BNC, MFE~SMA, FME~SMB, FME~TNC
Mounting	magnetic & screw mount

Environmental Conditions:

Operating Temp.	-40°C ~ + 85°C
Storage Temp.	-50°C ~ + 90°C
Relative Humidity	95% non-condensing

Antenna Element:

Center Frequency	1575.42MHz+/-1.023 MHz
Polarization	R.H.C.P.
Absolute Gain @ Zenith	+ 5dBi typical
Gain @ 10° Evation	-1 dBi typical
Axel Ratio	3 dB max
Output VSWR	1.5 max

Output Impedance 50Ω

Low Noise Amplifier:

Power Gain	28 dB typical
Bandwidth	2 MHz min
Noise Figure	1.5 dB max
Outer band Attenuation	20dB min @ Fo+/-50MHz
Supply Voltages	+2.5 ~+5.5 V DC
Current Consumption	12mA +/- 2mA 5V : 11.5mA + 1mA
Output Impedance	50Ω
Output VSWR	1.5 max.

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