



Mini GPS Antenna

Model: MK-18

Compact & Sensitive GPS Antenna with
Excellent Signal Amplification for Mobile Applications



MK-18 is the most compact GPS antenna available on the current market. Its state-of-the-art technology allows for miniature without . With good coverage almost all the way to the horizon, it performs excellently in foliage or urban canyon environment -- even in the presence of electromagnetic interference!

Featuring diminutive and rugged enclosure and unparalleled performance, **MK-18** is compatible with almost every GPS receiver model on the markets and provides an excellent alternative for a vast range of GPS applications including AVL, Vehicle Navigation, Aviation, and Military.

Features:

1. Diminutive & rugged construction allows for military and other applications demanding high degree of confidentiality.
2. Ultra-high sensitivity.
3. Module board available for embedded applications.
4. Various colors upon request.
5. Ideal for PDA, HPC, and other computing devices in GPS applications.
6. Fully weatherproof.
7. Excellent temperature stability.

Applications:

AVL/ Car Navigation/ Vehicle Tracking/ Weather Balloon/ Security Surveillance/ External
Antenna for Handheld GPS/ PDA, HPC

Specifications:

Physical construction	
Construction:	Polycarbonate radome on metal base
Dimension:	33.95mm (L) x 25.20mm (W) x 10.60mm (H)
Weight:	30 grams (excluding cable & connector)
Color of Radome:	Standard in dark gray, other colors available upon request
Standard Mounting:	Magnet or screw mount
Antenna Element	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Polarization:	R.H.C.P. (Right Hand Circular Polarization)
Absolute Gain at Zenith:	+5 dBi typically
Gain at 10o Elevation:	-1 dBi typically
Axial Ratio:	3 dB max.
Output VSWR:	1.5 max.
Output Impedance:	50 ohm
Low Noise Amplifier	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Gain:	19 dB typically
Band Width:	2 MHz min.
Noise Figure:	2 max.
Out Band Attenuation:	20dB min. @FO +/- 50MHz
Supply Voltage:	1.8~3.0V DC
Current Consumption:	5.1 mA +/- 1 mA
VSWR:	1.5 max.
Output Impedance:	50 ohm
Cable & Connector	
RF Cable:	3 meter RG174/U (standard), other length available
Pulling Strength:	6 Kg/5 sec. with molded plastics on connector 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 Adapters:	FME~MCX, FME~BNC, FME~SMA, FME~SMB, FME~TNC

©2008 San Jose Technology, Inc.
All specifications subject to change without notice.