



Mini GPS Antenna

MODEL: MK-4C

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



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The *MK-4C* is the most diminutive GPS antenna currently available on the market. Its state-of-the-art technology allows for the small size with no loss in performance. With good coverage almost all the way to the horizon, it performs excellently in foliage or urban canyon environment as well as in the presence of electromagnetic interference.

Featuring diminutive/rugged enclosure and unparalleled performance, the *MK-4C* is compatible with almost every GPS receiver model on the market 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. Various colors upon request.
4. Fully weatherproof.
5. Excellent temperature stability.

Applications:

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

Specifications:

PHYSICAL	
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:	0 dBi typically
Output VSWR:	1.5 max.
Output Impedance:	50 ohm
LOW NOISE AMPLIFIER	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Gain:	26 dB typically
Band Width:	2 MHz min.
Noise Figure:	1.5 max.
Out Band Attenuation:	20dB min. @F0 +/- 50MHz
Supply Voltage:	3~5V DC
Current Consumption:	11 mA +/- 1 mA
VSWR:	1.5 max.
Output Impedance:	50 ohm
CONNECTOR	
Connector:	SAM Jack
OVERALL PERFORMANCE (Antenna Element, LNA & Cable)	
Center Frequency:	1575.42 MHz
Gain:	24 dB min.
Noise Figure:	2.0 max.
Band Width:	2 MHz
VSWR:	2.0 max
Output Impedance:	50 ohm
ENVIRONMENTAL	
Operating Temperature	-30°C~+85°C
Storage Temperature:	-40°C~+90°C
Relative Humidity:	95% non-condensing
Waterproof:	100% waterproof

(*PS: The specification is subject to change without prior notice)