



Passive GPS Antenna

Model: MA-65

WI-RD-D-023 V1.0

Stable and Reliable on performance for Automobile GPS applications



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Overview:

MA-65 is a most compact GPS passive antenna in the market. It's specially designed for the device that needs GPS external antenna such as automobile GPS, PND, tablet PC, GPS vehicle tracker and so on. Also, MA-65 is compatible with most GPS receives available on the market and provides a perfect alternative for the application of the GPS in different fields.

Features:

- Compact Construction
- Water Resistance
- Magnet and Screw Mount Base
- Excellent Temperature Stability

Applications:

- Automobile GPS
- Car Tracking Navigation System
- AVL / Fleet Management Systems
- External Antenna for Handheld GPS
- External Antenna for PDA Navigator

Specification:

Physical Condition	
Dimension	58mm (L) x 48mm (W) x 10mm (H)
Weight	111 ± 5 grams
Environmental Conditions	
Operation temperature	-40°C to +80°C
Relative Humidity	+40±2 °C, 90~95%R.H
Patch Antenna	
Center Frequency	1575 MHz ± 3 MHz
Bandwidth@ Return Loss ≤ -10dB	≥ 3±0.5 MHz
Polarization	RHCP
Gain @ 70*70 Ground Plane	4.5 dBi typical±1.0
Axial ratio	≤ 5
Cable and Connector	
Output Impedance	50 ohm
VSWR	2.0 max.
Standard Cable	3 m RG174
Connector	SMA

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Note: 1: Cable Loss=(-1.2dB/m)

Mechanical Diagram:

