



Specification

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Model No. : AA.160

Part No. : **AA.160.301111**

Product Name : Magnet Mount GPS-GLONASS Antenna

Feature : 1575MHz – 1609MHz
Custom cables and connectors available
RoHS ✓



Version	Date	Page	Revision Description	Prepared	Approved
A	Nov 17 2009	All	New product	TW Product Centre	Ronan Quinlan



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I Introduction

This antenna is designed for applications which require high positioning accuracy by combining signals from GPS and Glonass systems. High gain wide-band patch antenna on a large integral ground delivers maximum performance.

II Specification

II.1 Ceramic Patch Antenna 36*36*4mm

Parameter	Specification
Frequency	1575-1609MHz
Bandwidth	40MHz
VSWR	2.0 Max
Gain	>5dBic (70*70mm Ground Plane)
Impedance	50 Ω
Polarization	RHCP

II.2 Low Noise Amplifier

Parameter	Specification
Noise Figure	1.5dB Typ.
Output VSWR	<2.0 Max.
Gain	35dB Typical (without cable)
DC Power Input	3-5V
Impedance	50 Ω
DC Current	30mA @5.0V Typ.

II.3 Material

Parameter	Specification
Antenna	Dielectric Ceramics
PCB	FR4
Shielding	Tinplate
Cable	RG-174 Length = 3M Fully Customizable



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Connector	SMA(M)
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II.4 Testing Conditions

Parameter	Specification
Working Temp	-40°C~+85°C
Storage Temp	-40°C~+100°C
Vibration	Sine sweep 1g(0-p) 10~55~10Hz each axis
DC Voltage	DC=3-9V

III Drawing

