

AMC-ANTGPSMAG

Type
Frequencies
Mounting

GPS Antenna
GPS (1575.42MHz)
Magnetic mounting



1. Specification

1.1. Electrical Specifications

Frequencies	GPS (1575.42MHz \pm 3MHz)
Peak gain	>3dBic on 70mm x 70mm ground plane
LNA gain (@5V)	27dB nominal
LNA noise figure	1.5dB (typical)
Outband rejection	$f^0 \pm 100\text{MHz}$ >30dB
Impedance	50 Ohms
Polarization	RHCP
Gain	>-4dBc at $-90^\circ < 0 < 90^\circ$
VSWR	<1.5:1
LNA VSWR	2.0
Bandwidth	$\pm 5\text{MHz}$
Supply voltage	3 – 5V
DC current	15mA at 5V
Operating temperature	-40°C to +85°C

1.2. Ordering Information

Ordering Information		
Part Number	Cable Length / Type	Connector Type
AMC-ANTGPSMAG-xyz	Specify / RG-174	Specify

xyz –allocated according to cable length and connector type specified

Please consult our sales team for different connector types.

1.3. Mechanical Specifications and Dimensions

Material:	Black ABS plastic
Dimensions:	38mm(L) x 35mm(W) x 12.5mm(D)
IP rating:	IP67

2. Measurement

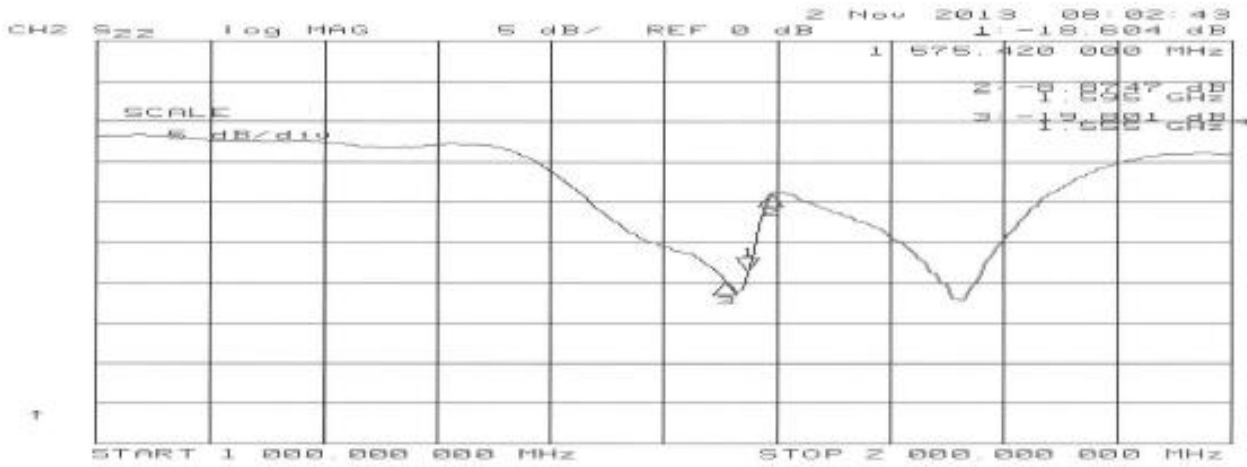


Figure 1 - Return Loss

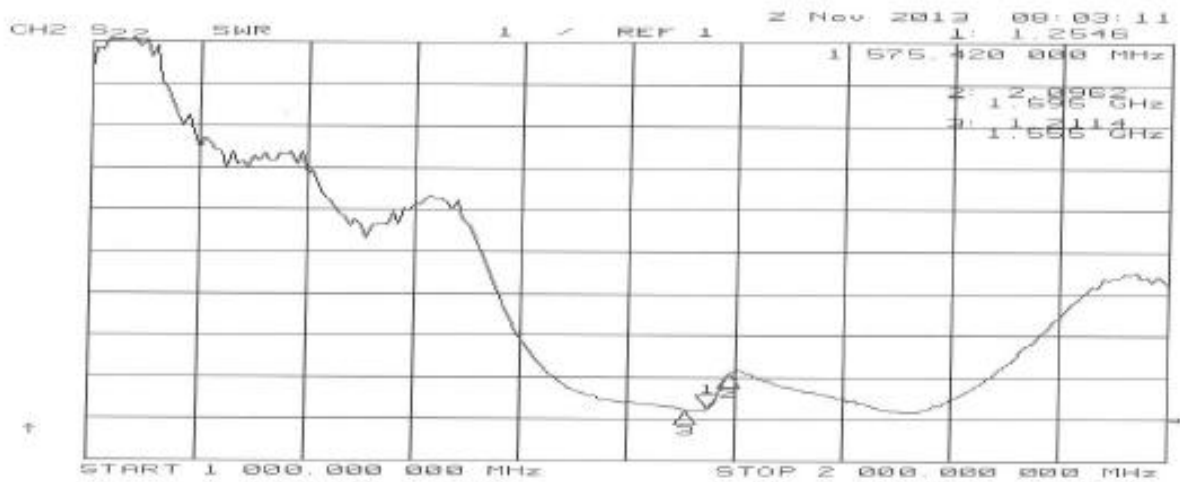


Figure 2 - VSWR