



SPECIFICATION

Product Name: AMC-ANTGPS2AP10x4-G100

Description: 3V/10mA/26dB/100mm (L)
(Typical Value)



PRODUCT SPECIFICATION

一、Electrical Characteristics

1.1 Antenna

1	Antenna model	DAS1575R(10*10*4)
2	Frequency Range	1575.42MHz $\pm$ 1.02 MHz
3	V. S. W. R	1.5:1
4	Band Width	> 3 MHz
5	Impedence	50 ohm
6	Gain	-2dBic Based on 10 $\times$ 10mm ground plane
7	Polarization	RHCP

1.2 LNA

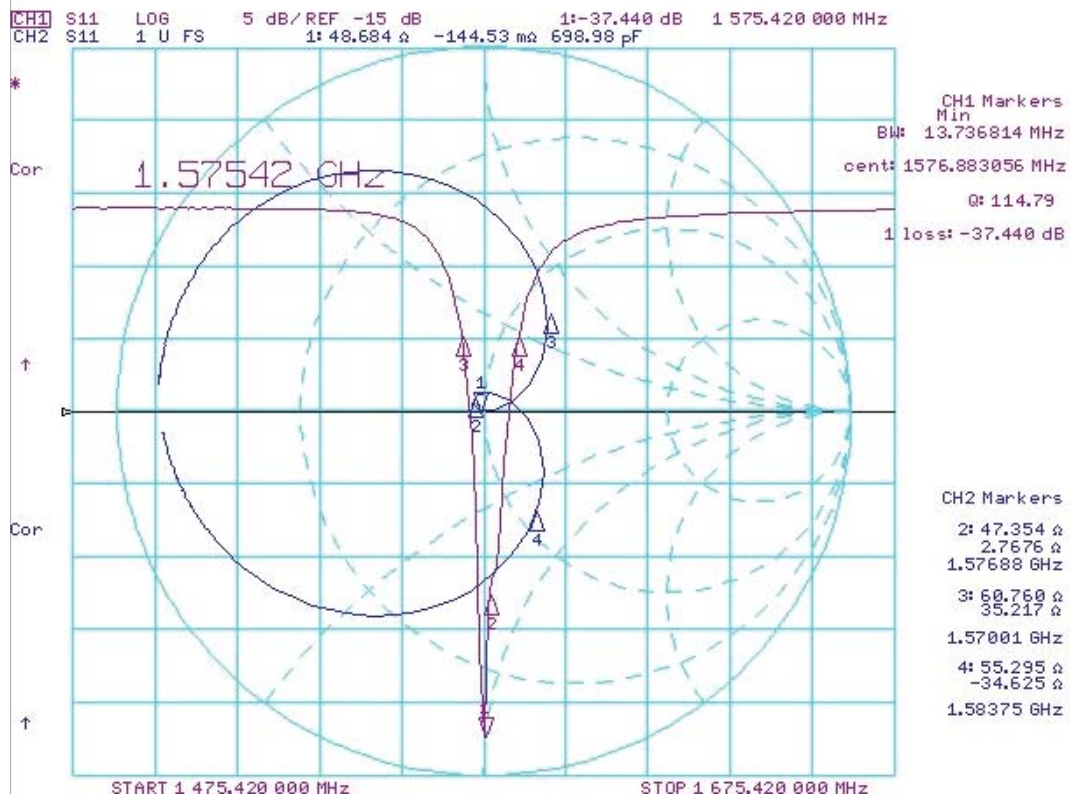
1	Frequency Range	1575.42MHz $\pm$ 1.02 MHz
2	DC Voltage	3.0 $\pm$ 0.3V
3	Gain (Typical)	26dB (Without cable +25 $^{\circ}$ C $\pm$ 10 $^{\circ}$ C)
4	Output VSWR (Typical)	1.5
5	Noise Figure (Typical)	1.5(+25 $^{\circ}$ C $\pm$ 10 $^{\circ}$ C)
6	DC current (Typical)	10mA

二、Materia

No	Part Name	SPEC
1	Antenna	Dielectric Ceramics
2	PCB	FR4
3	Shielding	Tinplate
4	RF Cable	ϕ 0.81 $\pm$ 0.1mm
		(L=100 $\pm$ 2mm)
5	RF Connector	I-PEX
6	Thickness	type 6.6mm



一、Patch Test curve



Test condition: 10x10mm ground

三、 Testing Conditions

1	Working Temp	-40℃~+80℃
2	Storage Temp	-45℃~+85℃
3	Vibration	Sine sweep 1g(0-p)
		10~55~10Hz each axis
4	DC Voltage	DC=3.0±0.3V

四、 Notes

Electrostatic sensitive device, Observe precautions for handling.



五、 Structure (单位: mm)

