
GPS&GLONASS Internal Antenna Specification

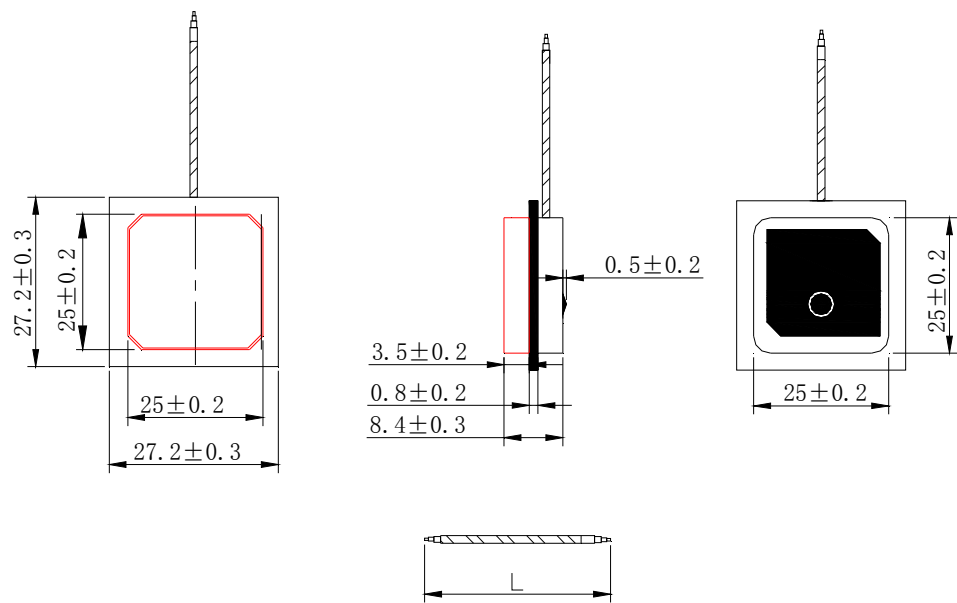
Model: AMT-GPS&GLONASS-E25

一. Electrical Characteristics

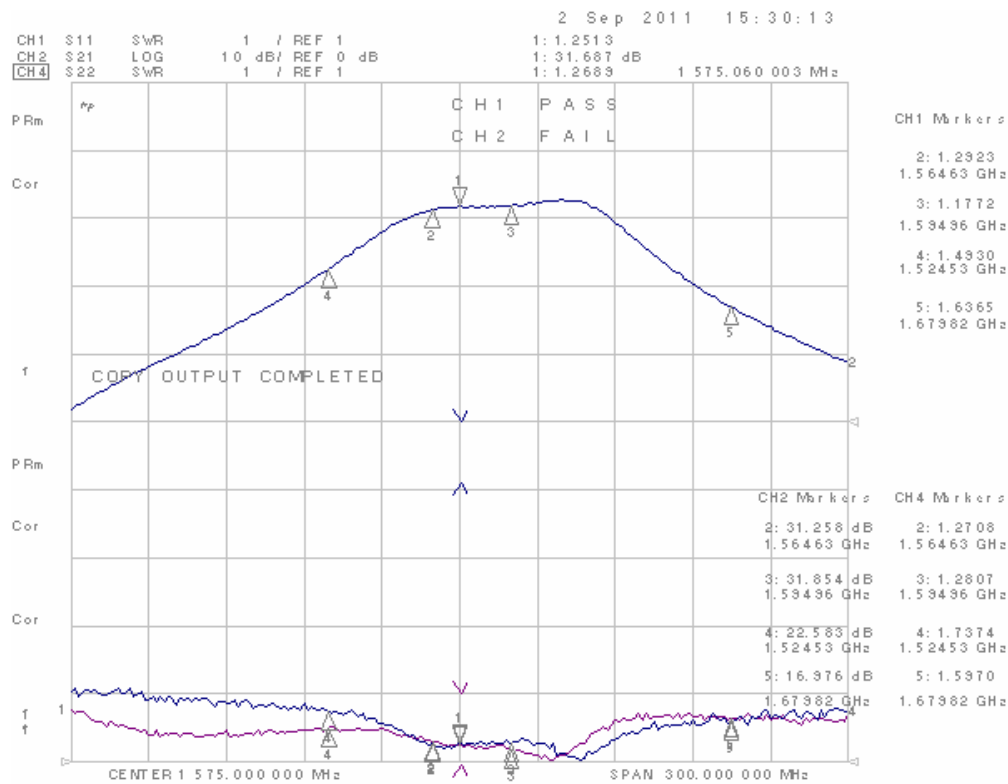
Antenna	
Antenna model	25*25*4mm
Frequency Range	1575.42MHz±1.02 MHz 1602MHZ±8MHZ
V.S.W.R	1.5:1
Band Width	≥ 10 MHz for GPS ≥20MHZ for GLONASS
Impendence	50 ohm
Gain	5dBic Based on 7×7cm ground plane
Polarization	RHCP
LNA	
Frequency Range	1595MHz±25 MHz
DC Voltage	3-5V
Gain (Typical)	30dB (Without cable +25℃±10℃)
Output VSWR (Typical)	2.0
Noise Figure (Typical)	1.5(+25℃±10℃)

DC current (Typical)	13.5mA(At5.0V)
Material	
Antenna	Dielectric Ceramics
PCB	FR4
Shielding	Tinplate
RF Cable	RG174
	5cm/10cm or custom
RF Connector	U.FL/IPEX or custom
Thickness	14mm MAX
Testing Conditions	
Working Temp	-20℃~+80℃
Storage Temp	-20℃~+85℃
Vibration	Sine sweep 1g(0-p)
	10~50~10Hz each axis
DC Voltage	DC=3-5V

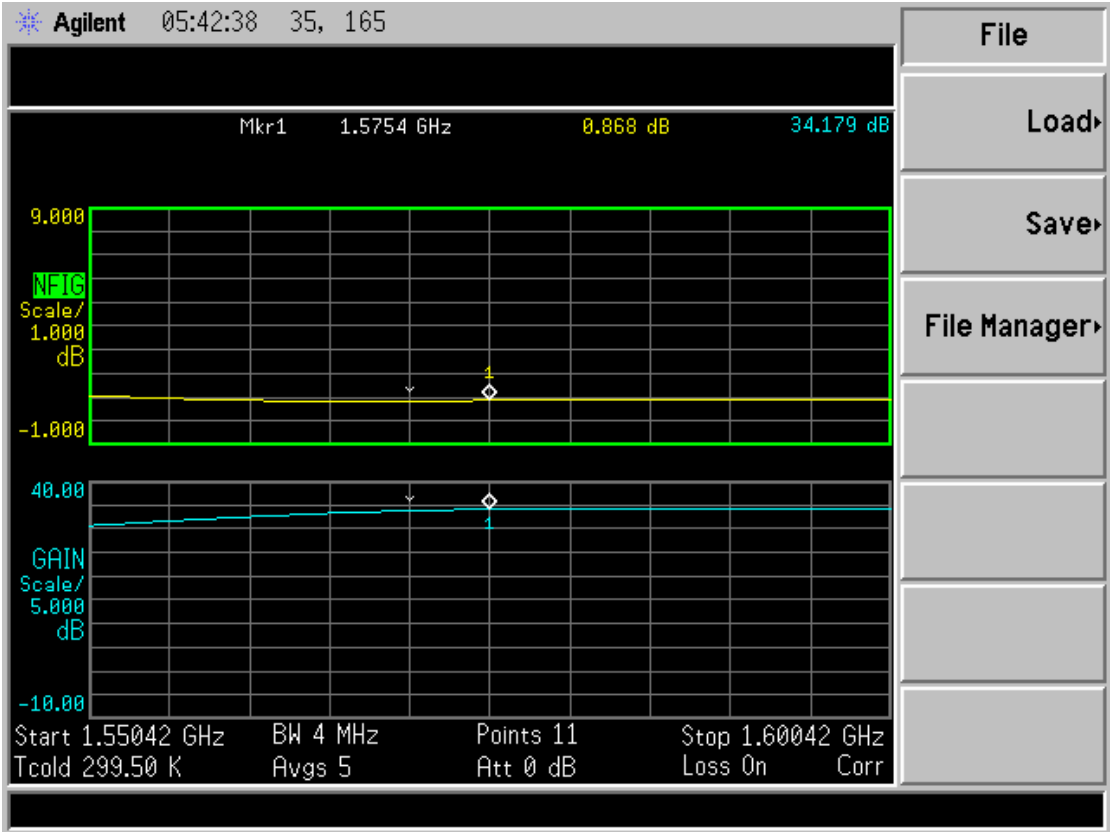
二. Size drawing



三. LNA Test Plans (Test condition: DC 3.0V)



四. Noise Figur Test Plans



五. Notes

Electrostatic sensitive device, Observe precautions for handling.

