

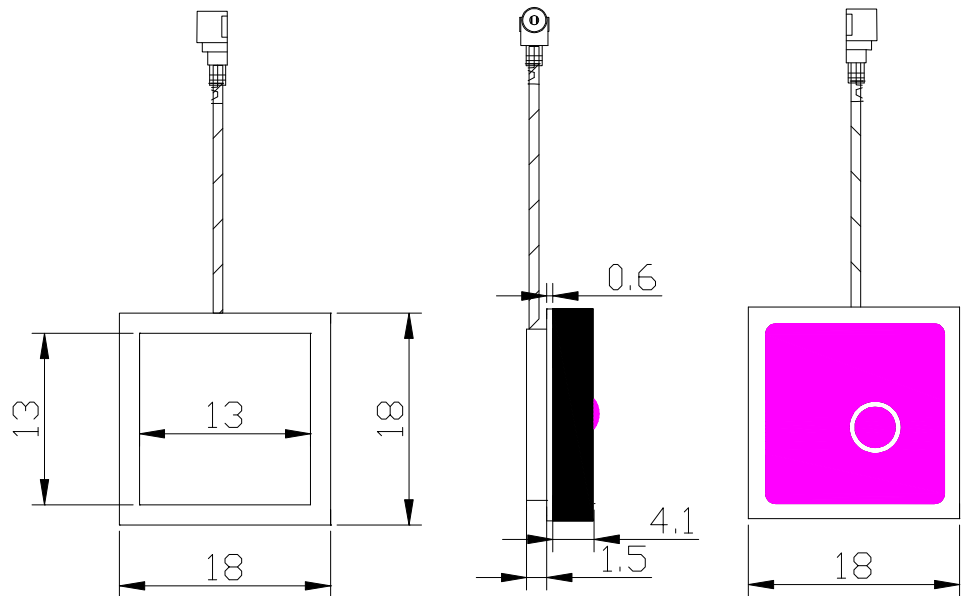
GPS Active Embedded Antenna Specification



Antenna	
Frequency Range	1575.42MHz±1.02 MHz
V.S.W.R	1.5:1
Band Width	> 8 MHz
Impedence	50 ohm
Gain	4dBic Based on 7×7cm ground plane
Polarization	RHCP

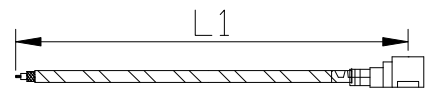
LNA	
Frequency Range	1575.42MHz±1.02 MHz
DC Voltage	2.7V/3.0V/3.3V/5.0V/3.0V to 5.0V/other
Gain (Typical)	27dB (Without cable +25°C±10°C)
Noise Figure (Typical)	1.5DB
DC current	11mA MAX
Material	
Antenna	Dielectric Ceramics
PCB	FR4
Shielding	Tinplate
RF Cable	RG174/RG316/RG178/Mini cable or other
	L=80/100mm or other
RF Connector	IPEX/H.FL/SMA/MCX/MMCX or other
Testing Conditions	
Working Temp	-25°C ~+65°C
Storage Temp	-40°C ~+85°C
Vibration	Sine sweep 1g(0-p)
	10~55~10Hz each axis
DC Voltage	DC=2.5-5.5V

Size drawing

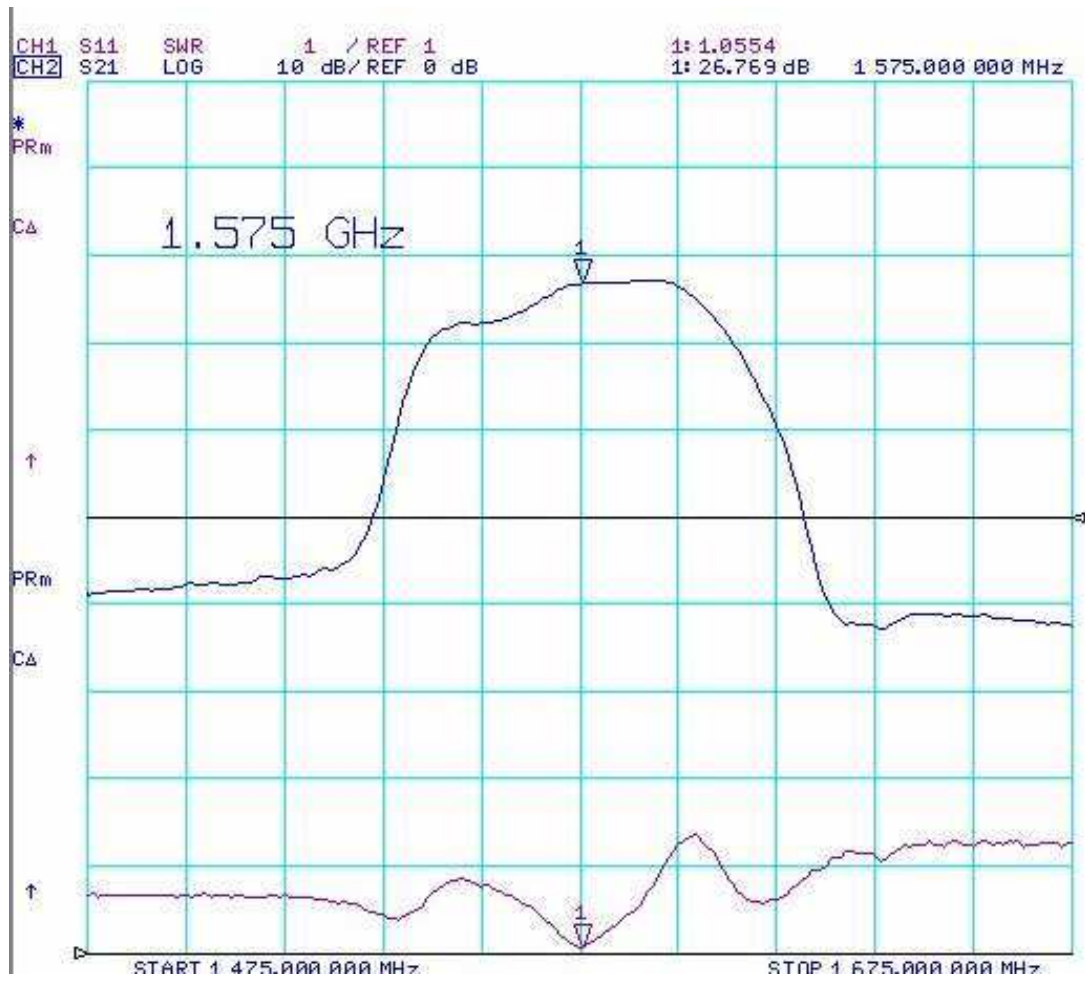


注意事项:

1. 单位: 毫米。
2. 未标注公差: ± 0.3 。



Lna Test Plans



smith chart of patch antenna

