

SPECIFICATION FOR APPROVAL

Part NO. **SS-GBI3540P354-RF1.13L105IPEX**

Type GPS&BDS Built-in Active Antenna

Electrical Characteristics

Antenna

1	Antenna model	35*35*4mm		
2	Frequency Range	GPS-L1	BDS-B1	GLONASS-L1
3	Gain@Zenith	2.7dBi	2.6dBi	1.3
4	Return Loss	<-10dB		
6	Impedance	50 Ω		
7	Polarization	RHCP		

LNA

1	Frequency Range	1555MHz-1615MHz		
2	DC Voltage		3.3V(typ)	
3	DC current		13mA	
4	Noise Figure	<1.0		
5	LNA Gain	27dB±2dB@25℃		
6	VSWR	<2.0		

Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.8mm, FR-4
3	Shield Cover	0.2mm, Tinplate
4	Cable	L=105mm, RF-1.13
5	Connector	IPEX MHF I

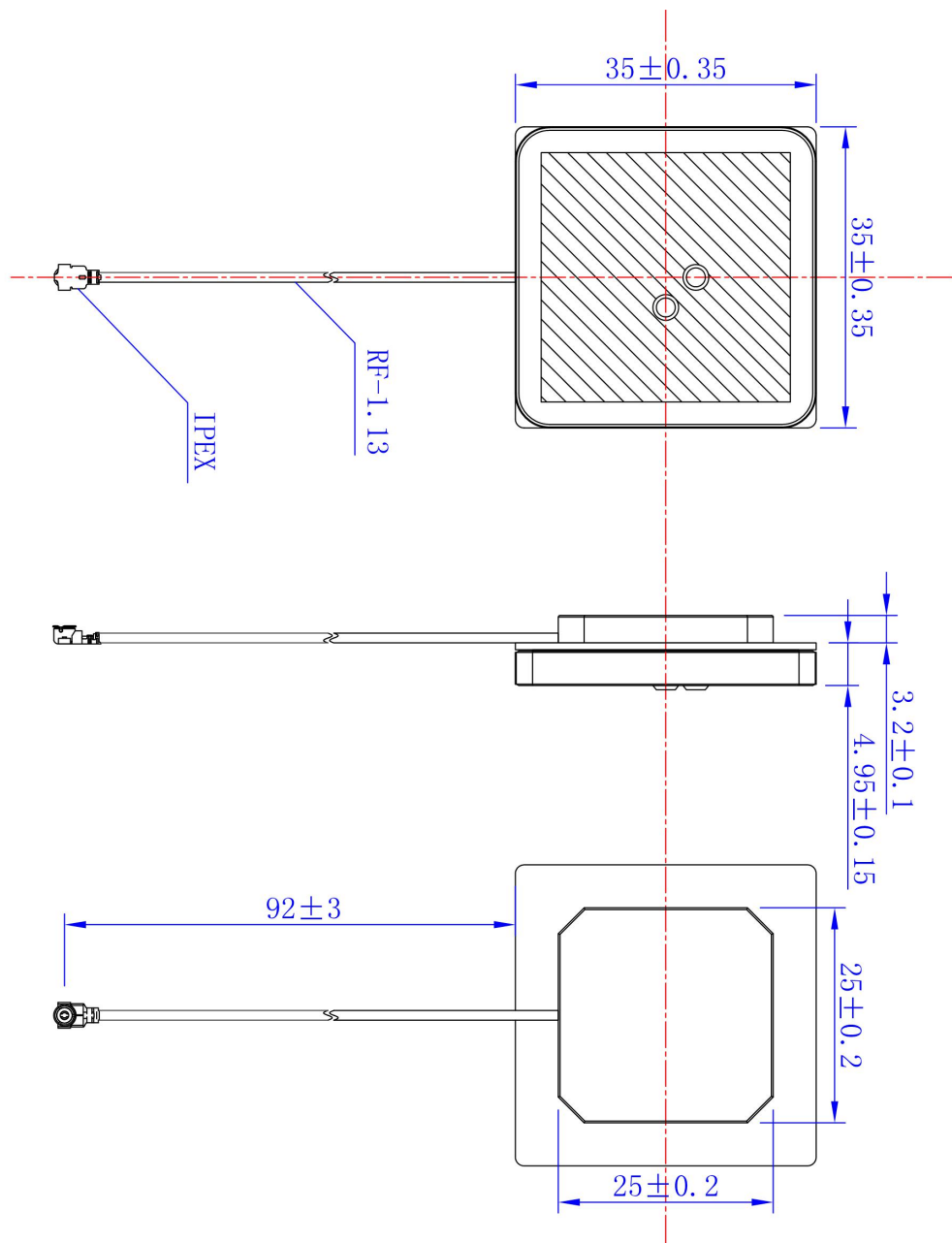
Environment Condition

1	Working Temp	-40℃~+80℃
2	Storage Temp	-45℃~+85℃
3	Humidity	Non-condensing 65℃95%RH

Prepared By:

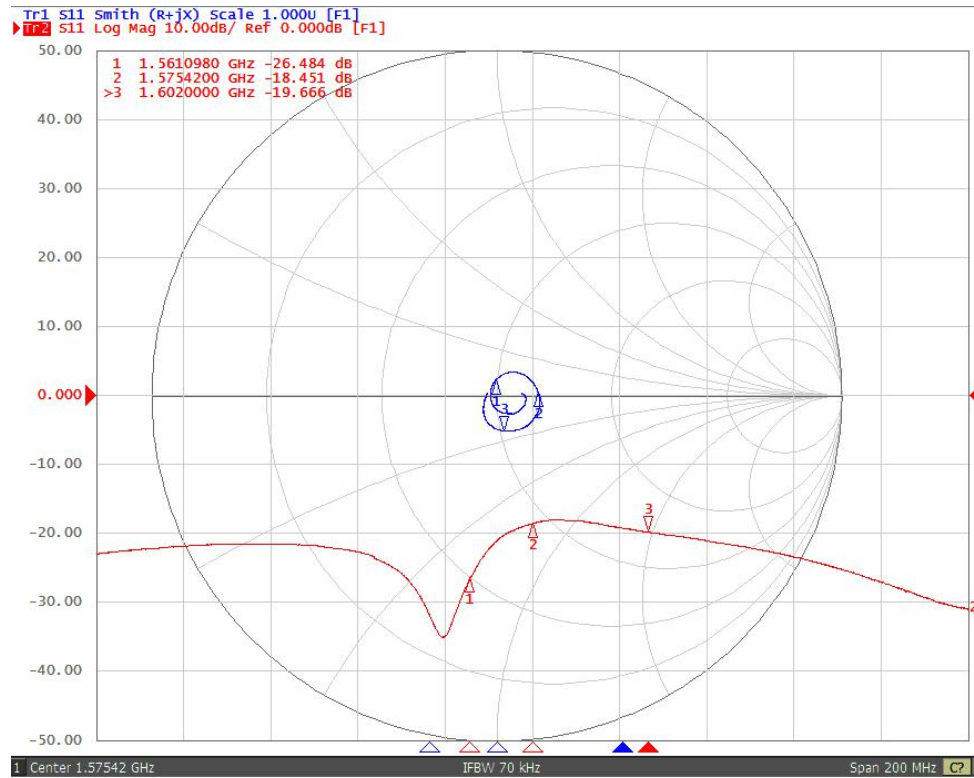
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Dimensions



Typical Characteristics

1. Return Loss & Impedance



2. LNA Gain @3.3V

