

SPECIFICATION FOR APPROVAL

Part NO. **SS-GPI1840P182**-RF1.13L59IPEX

Type GPS &BD Built-in Active Antenna

Electrical Characteristics

Antenna

1	Antenna model	18*18*4mm
2	Frequency Range	1575.42MHz $\pm$ 1.023MHz
3	V.S.W.R	2.0 max
4	Band With@RL=-10dB	>5MHz
5	Gain@Zenith	1.5dBic@18*18mm Ground
6	Impedance	50 Ω
7	Polarization	RHCP

LNA

1	Frequency Range	1555MHz~1610MHz		
2	DC Voltage	1.5V(min)	3.0V(typ)	3.6V(max)
3	DC current	3.7mA	4.5mA	5.5mA
4	Noise Figure	<1.2		
5	LNA Gain	22dB $\pm$ 2dB@25 $^{\circ}$ C		
6	VSWR	2.0 max		

Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.6mm, FR-4
3	Cable	59mm, RF-1.13
4	Connector	IPEX I

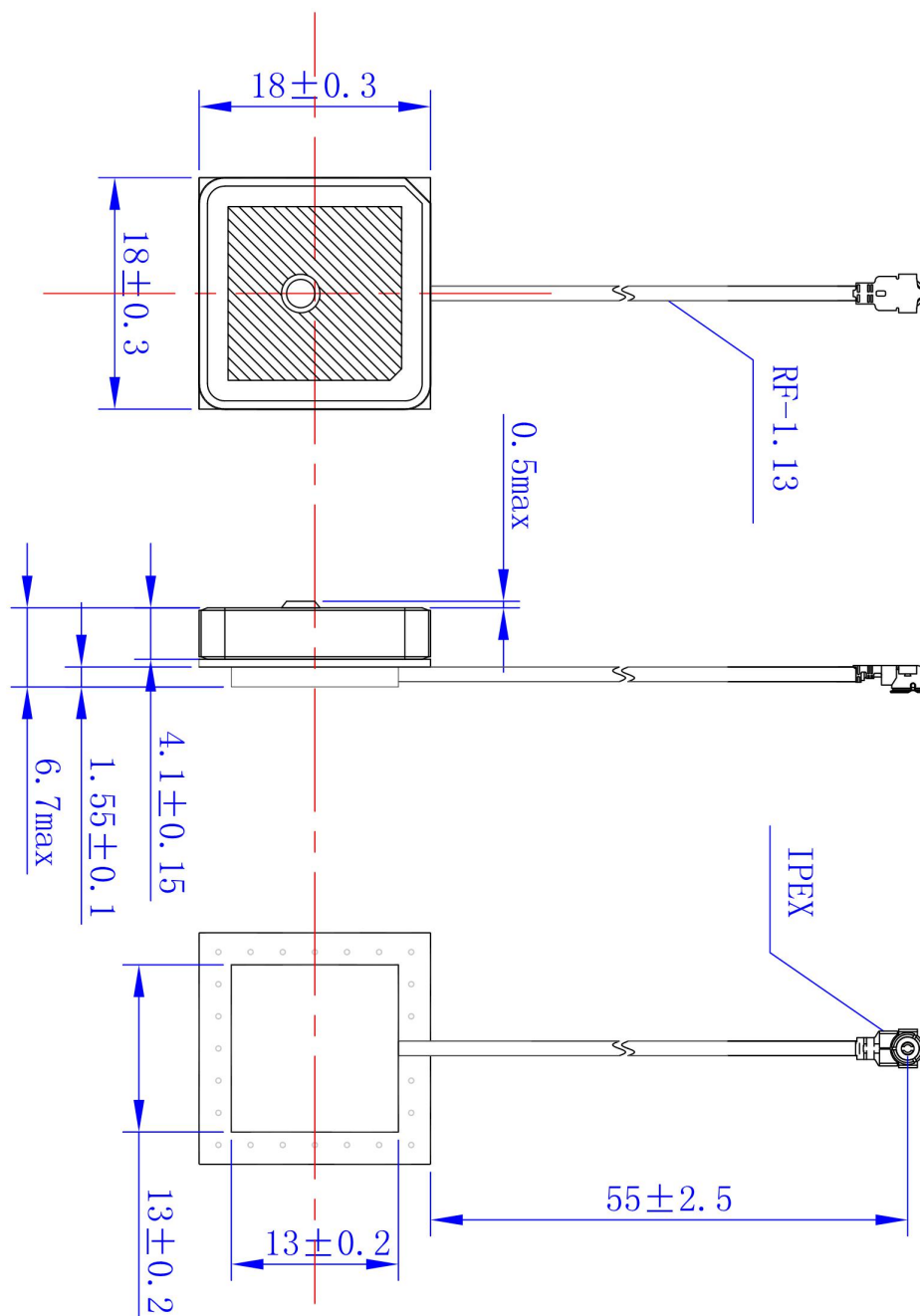
Environment Condition

1	Working Temp	-40 $^{\circ}$ C~+85 $^{\circ}$ C, 10%~95% RH
2	Storage Temp	-45 $^{\circ}$ C~+85 $^{\circ}$ C, 10%~95% RH

Prepared By:

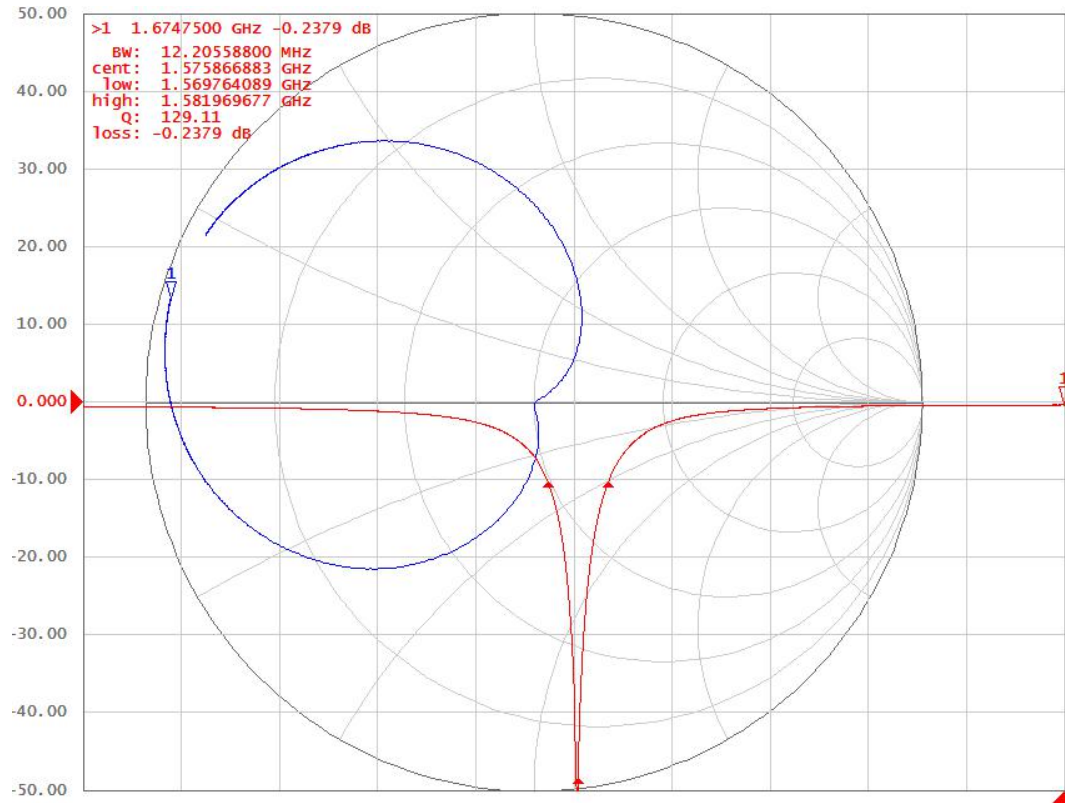
Date:

Dimensions



Typical Characteristics

1.Return Loss & Impedance



2.LNA Gain @3.0V

