

SPECIFICATION FOR APPROVAL

Part NO. **SS-G1IML22518H24P274B-RF1.13L105IPEX**

Type Navigation And Positioning Dual frequency Built-in Active Antenna

Electrical Characteristics

Antenna

1	Antenna model	25*25*4mm	
2	Frequency Range	1575.42MHz $\pm$ 1.023MHz	1176.45 $\pm$ 10.23MHz
3	Return loss@F ₀	<-10dB	<-10dB
4	Band With@-10dB	>5MHz	>5MHz
5	Gain@Zenith	1.5dBic@25*25mm Ground	1.0dBic@50x50
6	Impedance	50 Ω	
7	Polarization	RHCP	

LNA

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1	Frequency Range	1166MHz-1615MHz	
2	DC Voltage	3.3V(typ)	5.0Vmax
3	DC current	<15mA	<30mA
4	Noise Figure	<1.2	
5	LNA Gain	27dB $\pm$ 2dB@25 $^{\circ}$ C	
6	Impedance	50 Ω	
7	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 I (MHF I)

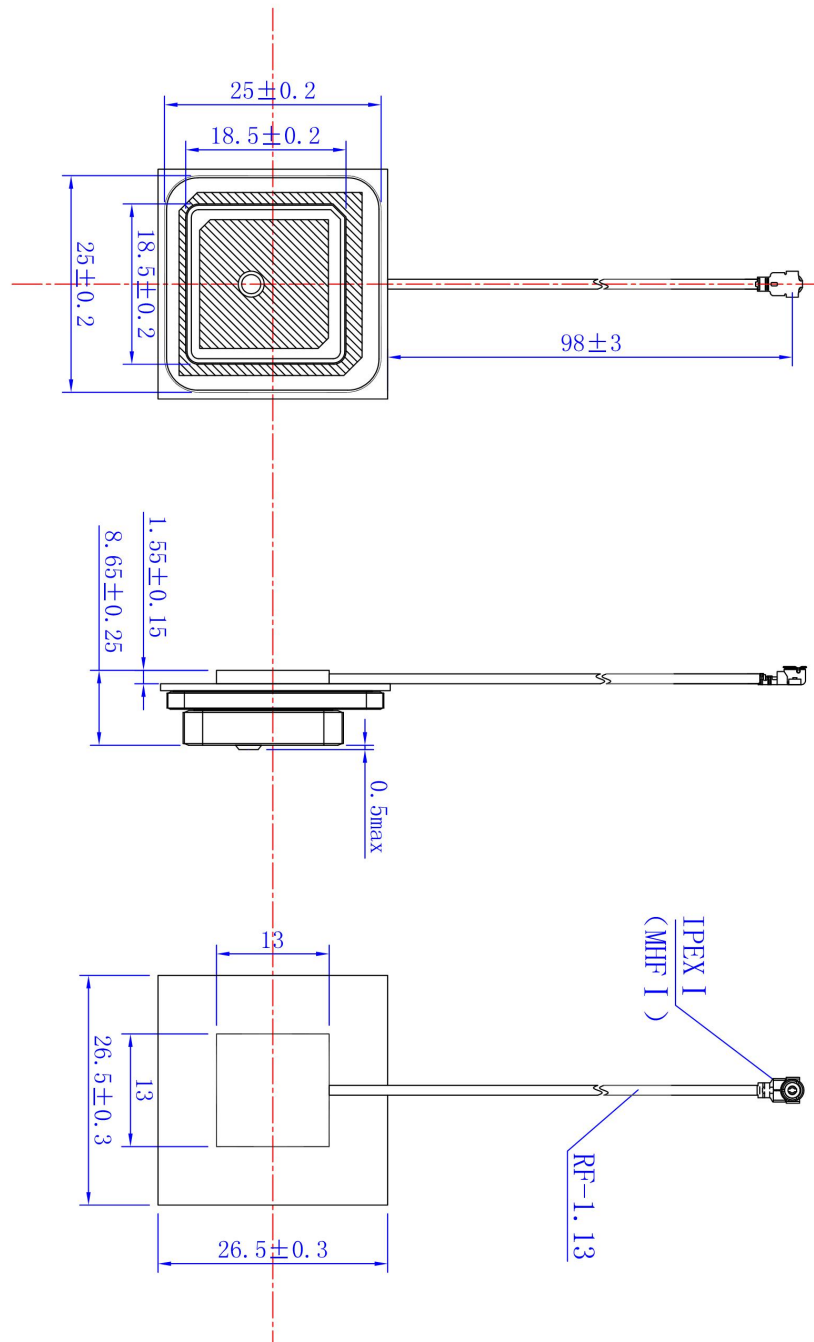
Environment Condition

1	Working Temperature	-40 $^{\circ}$ C $\sim$ +85 $^{\circ}$ C
2	Storage Temperature	-45 $^{\circ}$ C $\sim$ +85 $^{\circ}$ C
3	Relative Humidity	Non-condensing 65 $^{\circ}$ C 95%RH

Prepared By:

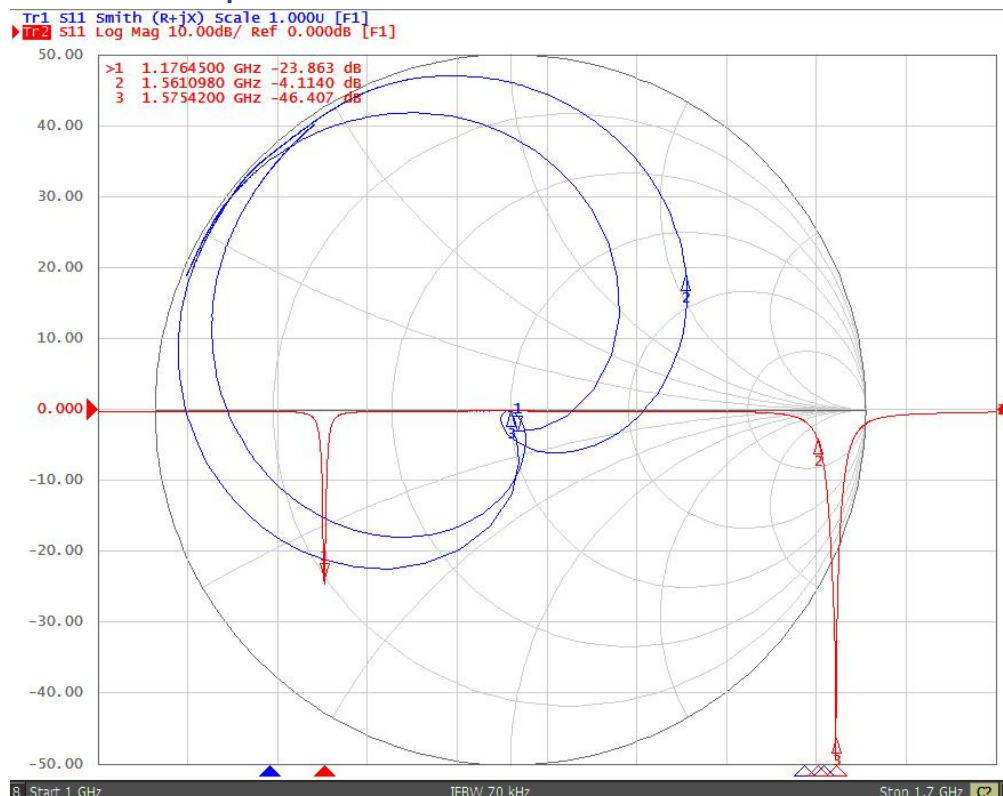
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Dimensions



Typical Characteristics

1. Return Loss & Impedance



2. LNA Gain @3.3V

