

Part NO. <b>SS-GPI1220P121S3</b>	Type GPS Built-in Active Antenna
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### Electrical Characteristics

#### Antenna

1	Antenna model	12*12*2mm		
2	Frequency Range	1575.42MHz ± 1.023MHz		
3	V.S.W.R	2.0 max		
4	Band With@RL=-10dB	>3MHz		
5	Gain@Zenith	-2.5dBi@12*12mm Ground		
6	Impedance	50 Ω		
7	Polarization	RHCP		
8	Axial Ratio@Zenith	<6dB		

#### LNA

1	Frequency Range	1555MHz~1580MHz		
2	DC Voltage	1.5V(min)	3.0V(typ)	3.6V(max)
3	DC current	3.7mA	4.5mA	5.5mA
4	Noise Figure	1.1<		
5	LNA Gain	20dB@25°C,1575.42MHz		
6	VSWR	2.0 max		

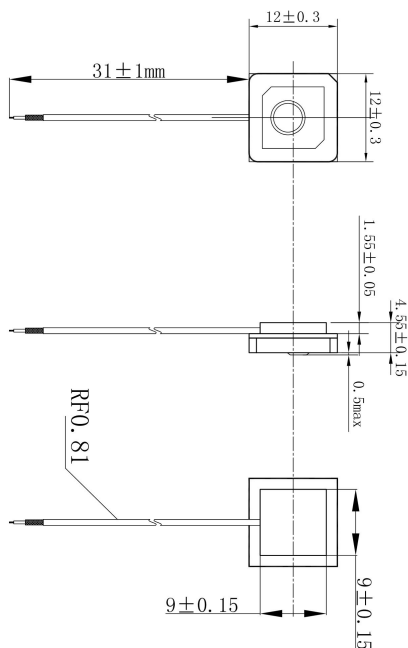
#### Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.6mm, FR-4
3	Cable	L=35m, RF-0.81
4	Connector	

#### Environment Condition

1	Working Temp	-40°C ~ +85°C, 10%~95% RH
2	Storage Temp	-45°C ~ +90°C, 10%~95% RH

#### Dimensions



#### LNA Gain @3.0V

