

Part NO. SS-GBI2520P253B3	Type GPS&BDS External Active Antenna
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Electrical Characteristics

Antenna

1	Antenna model	25*25*2mm	
2	Frequency Range	1575.42MHz $\pm$ 1.023MHz	1561.098MHz $\pm$ 2.046MHz
3	V.S.W.R	1.5 max	1.5 max
4	Band With@RL=-10dB	>6MHz	>6MHz
5	Gain@Zenith	4dBi@70*70mm Gtound	4dBi@70*70mm Gtound
6	Impedance	50 Ω	
7	Polarization	RHCP	
8	Axial Ratio@Zenith	<3dB	<3dB

LNA

1	Frequency Range	1555MHz~1580MHz		
2	DC Voltage	1.5V(min)	3.0V(typ)	3.6V(max)
3	DC current	7.3mA	8.5mA	10.0mA
4	Noise Figure	1.1<		
5	LNA Gain	31dB@25℃,1575.42MHz; 31dB@25℃,1561.098MHz		
6	VSWR	2.0 max		

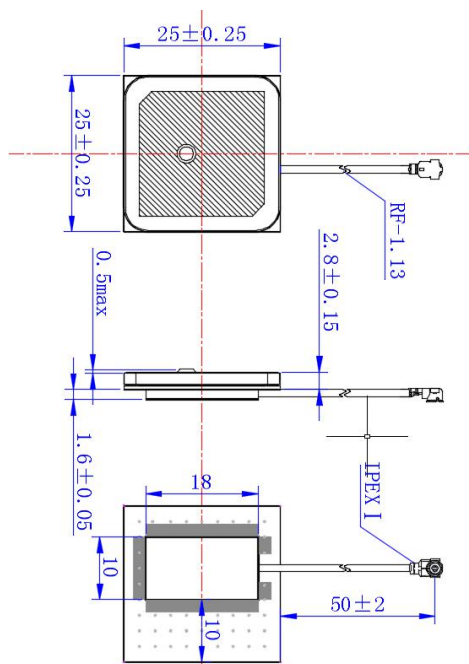
Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.6mm, FR-4
3	Cable	L=59m, RF-1.13
4	Connector	I-PEX II

Environment Condition

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

Dimensions



LNA Gain @3.0V

