

Part NO. SS-GBI2540P272B3	Type GPS&BDS External Active Antenna
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Electrical Characteristics

Antenna

1	Antenna model	25*25*4mm	
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	>10MHz	>10MHz
5	Gain@Zenith	5dBi@70*70mm Gtound	5dBi@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		

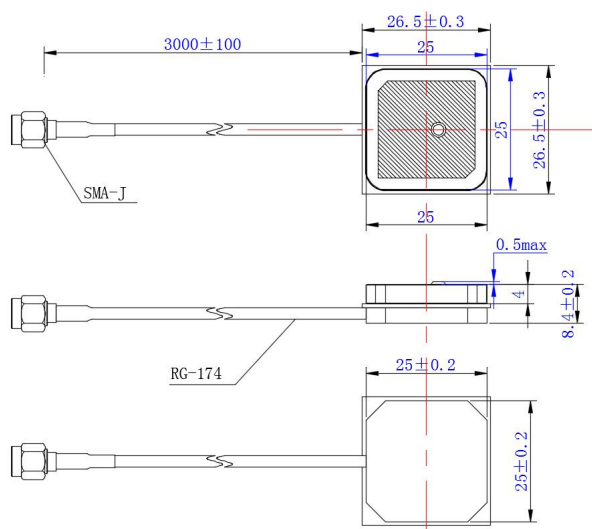
Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.8mm, FR-4
3	Cable	L=3m, RG-174
4	Connector	SMA-J (Male)

Environment Condition

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

Dimensions



LNA Gain @3.0V

