

Part NO. SS-GBE2540P272B3/SS011		Type GPS&BDS External Active Antenna	
Electrical Characteristics			
Antenna			
1	Antenna model	25*25*4mm	
2	Frequency Range	1575.42MHz±1.023MHz	1561.098MHz±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	Radome Material	ABS	
2	Antenna	Dielectric Ceramics	
3	Ground	0.8mm, FR-4	
4	Cable	L=3m, RG-174	
5	Connector	SMA-J (Male)	
Environment Condition			
1	Working Temp	-40℃~+85℃, 10%~95% RH	
2	Storage Temp	-45℃~+90℃, 10%~95% RH	
3	Ingress Protection	IP67	
Dimensions		LNA Gain @3.0V	
			