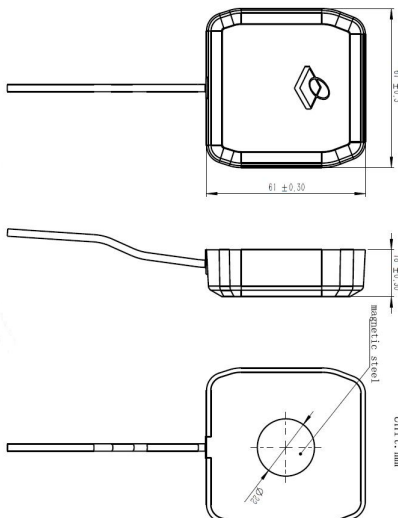


Part NO. SS-GNE4050BP544B16/SS026		Type GNSS Built-in Active Antenna																		
Electrical Characteristics																				
Antenna																				
1	Antenna model	40*40*5mm																		
2	Frequency Range	GPS-L1	BDS-B1	GLONASS-L1	Galileo-E1															
3	V.S.W.R	1.5 max	1.5 max	1.5 max	1.5 max															
4	Band With@RL=-10dB	>10MHz	>10MHz	>10MHz	>10MHz															
5	Gain@Zenith	4.5dBi	4.0dBi	4.0dBi	4.5dBi															
6	Impedance	50 Ω																		
7	Polarization	RHCP																		
8	Axial Ratio@Zenith	<3dB	<3dB	<3dB	<3dB															
LNA																				
1	Frequency Range	1555MHz~1615MHz																		
2	DC Voltage	2V~16V																		
3	DC Current	8.5mA(typ)																		
4	Noise Figure	1.1<																		
5	LNA Gain@25℃	31dB,1561.098MHz; 32dB,1575.42MHz; 32dB,1602MHz																		
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																		
		 <table><tr><td>>1</td><td>1.5754200 GHz</td><td>32.499 dB</td></tr><tr><td>2</td><td>1.5610980 GHz</td><td>31.080 dB</td></tr><tr><td>3</td><td>1.6020000 GHz</td><td>32.040 dB</td></tr><tr><td>4</td><td>1.5550000 GHz</td><td>31.405 dB</td></tr><tr><td>5</td><td>1.6150000 GHz</td><td>30.922 dB</td></tr></table>				>1	1.5754200 GHz	32.499 dB	2	1.5610980 GHz	31.080 dB	3	1.6020000 GHz	32.040 dB	4	1.5550000 GHz	31.405 dB	5	1.6150000 GHz	30.922 dB
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