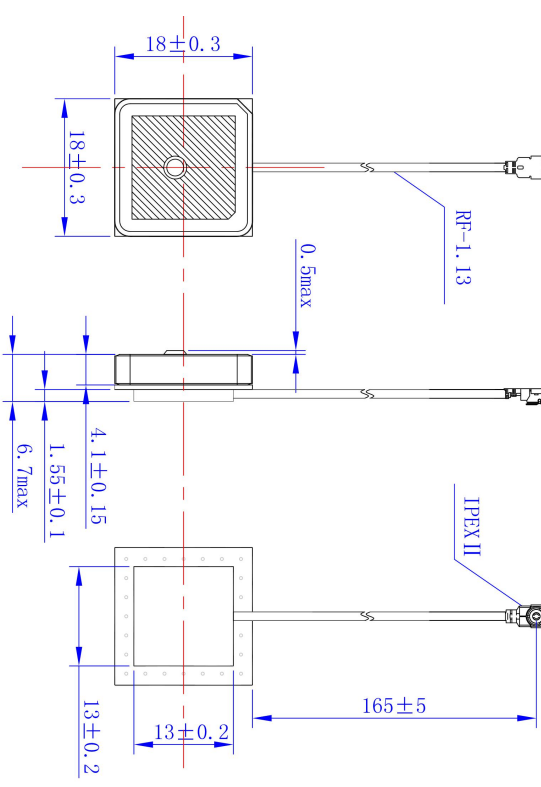
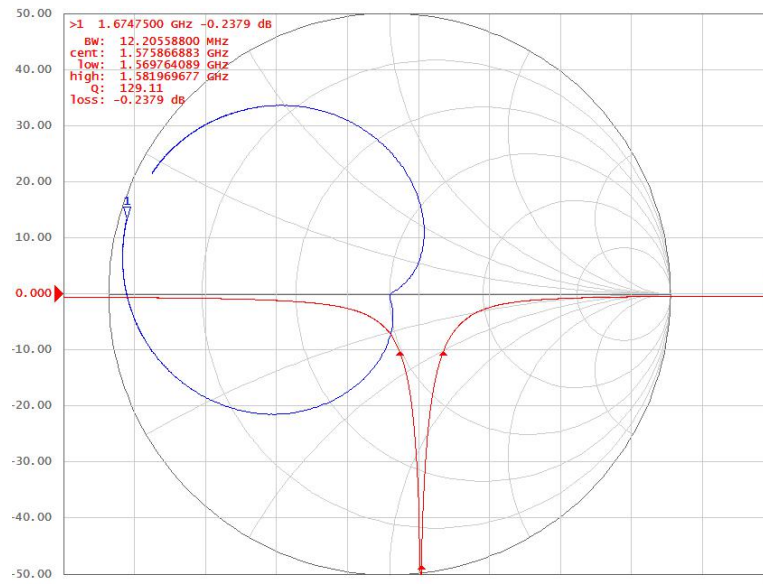


Part NO. SS-GPI1840P184N		Type GPS Built-in Passive Antenna
Electrical Characteristics		
Antenna		
1	Antenna model	18*18*4mm
2	Frequency Range	1575.42MHz±1.023MHz
3	V.S.W.R	2.0 max
4	Band With@RL=-10dB	≥7MHz
5	Gain@Zenith	1.0dBi@18*18mm Ground
6	Impedance	50 Ω
7	Polarization	RHCP
8	Axial Ratio@Zenith	<3dB
Material		
No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	0.6mm, FR-4
3	Cable	L=170mm 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
3	Ingress Protection	IP67
Dimensions		Return Loss & Impedance
 Top view: 18±0.3 mm x 18±0.3 mm. Side view: 0.5max mm. Bottom view: 13±0.2 mm x 13±0.2 mm. Cable length: 165±5 mm. Ground pad: 4.1±0.15 mm x 1.55±0.1 mm. Mounting holes: 6.7max mm.		 Smith Chart Data: >1 1.6747500 GHz -0.2379 dB BW: 12.20558800 MHz cent: 1.575866883 GHz low: 1.569764089 GHz high: 1.581969677 GHz Q: 129.11 loss: -0.2379 dB