



Accurate  
positioning

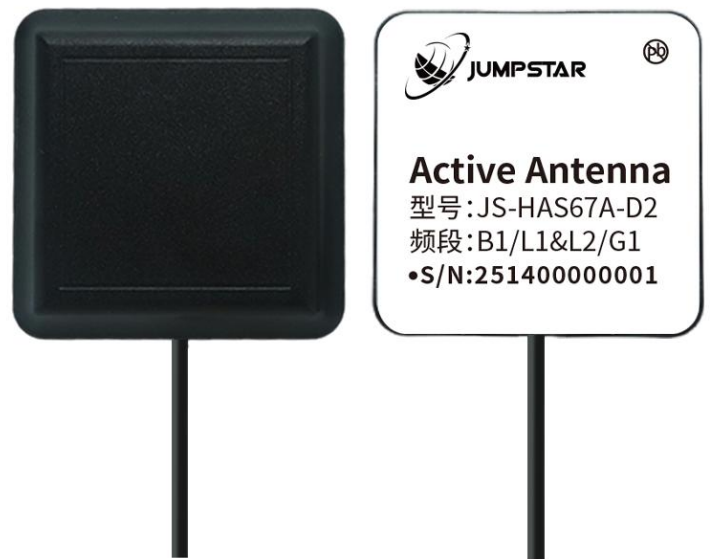
22°43'59.57617"N 114°03'03.61546"E



# JS-HAS67A-D2

## Ceramic Antenna

### Datasheet



**Shenzhen Jumpstar Technology Co.,Ltd**

Email : [info@jumpstar-tech.com](mailto:info@jumpstar-tech.com)

Tel : ( 86 ) 0755-23732282

Fax : ( 86 ) 0755-23732823

Add : Room 1305, Building A, Lechuanghui Building, No. 1211  
Guanguan Road, Guanlan Street, Longhua District, Shenzhen

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# 1. Electrical characteristics

## 1.1 Antenna

1	Ceramic antenna specifications	L1: 25*25*4mm L2: 33*33*4mm
2	Operating frequency	B1 : 1561.098±2.046MHz L1: 1575.42±1.023MHz G1 1602.5625±4MHz L2: 1227.60±10.23MHz
3	impedance	50Ω
4	polarization mode	RHCP
5	Standing Bobby	≤2.0
6	Maximum gain (55*55 test base plate)	2.5 dBic (L2) 3dBic (B1/L1/G1)

## 1.2 LNA

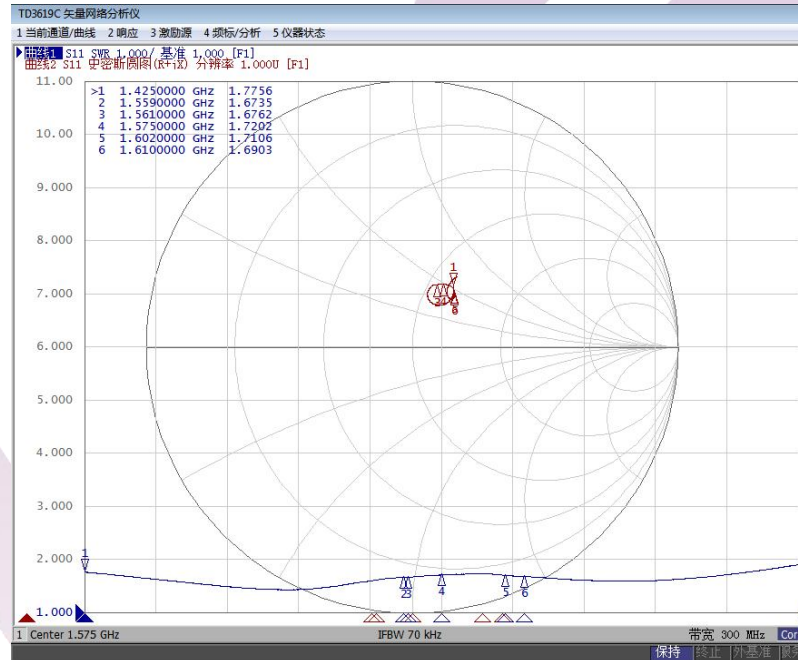
1	Operating frequency	B1: 1561.098 ± 2.046 MHz L1: 1575.42±1.023MHz G1 : 1602.5625±4MHz L2: 1227.60 ± 10.23 MHz
2	Operating voltage DC	3 ~ 5V
3	Amplifier gain	28±3dB
4	Standing Bobby	≤2.0
5	Noise figure	≤2.0
6	Consume current	20 ± 3 mA ( @ 3.3 V )

## 1.3 Antenna system (including RF cables, RF connectors, etc.)

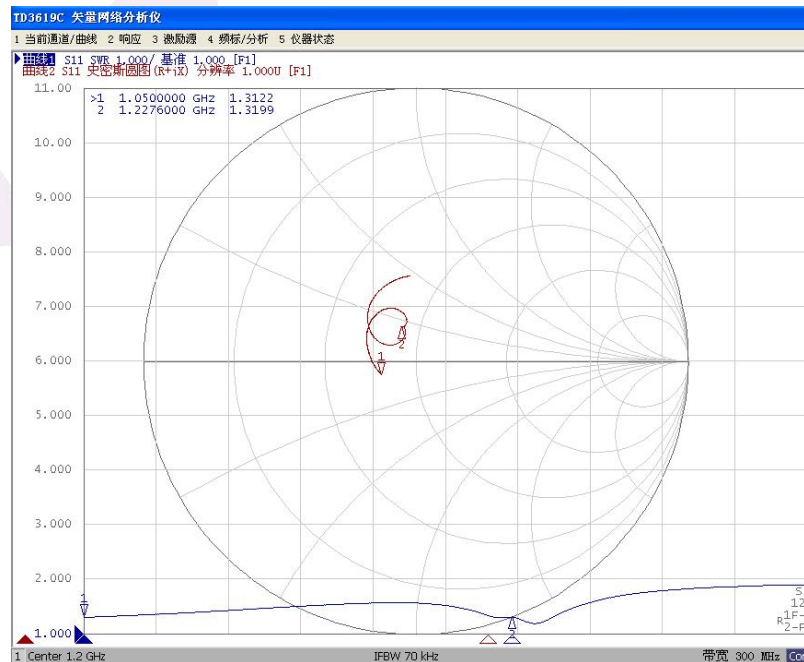
1	Operating frequency	B1: 1561.098 ± 2.046 MHz L1: 1575.42±1.023MHz G1 1602.5625±4MHz L2: 1227.60 ± 10.23 MHz
2	Standing Bobby	≤2.0
3	Impedance characteristics	50Ω

## 2. Ceramic antenna test curve

### B1/L1/G1

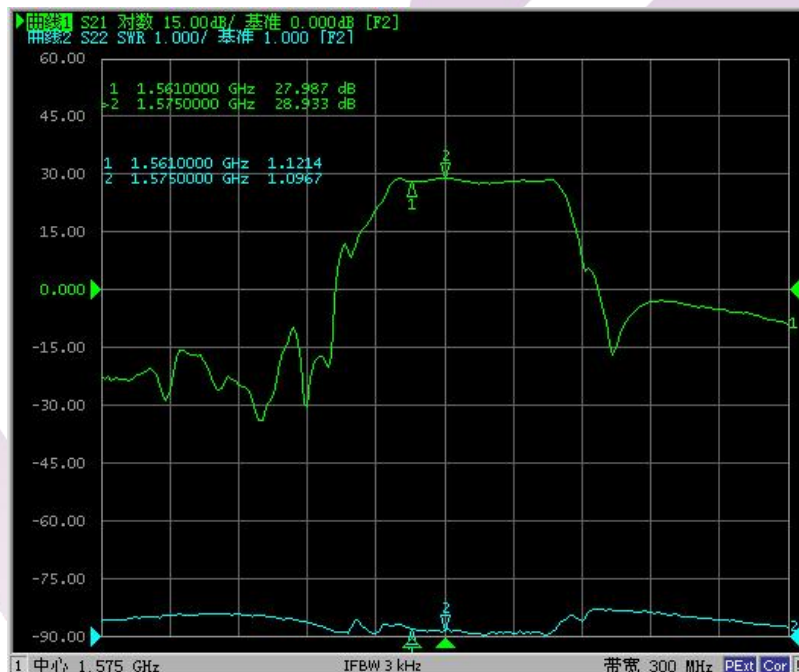


### L2

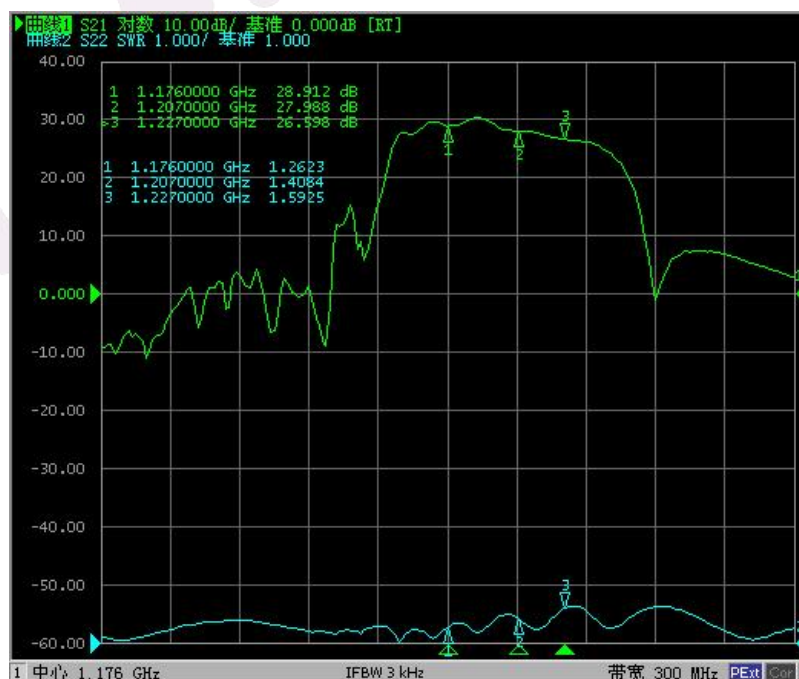


### 3. Low-noise amplifier circuit test curve

#### 1) B1/L1/G1

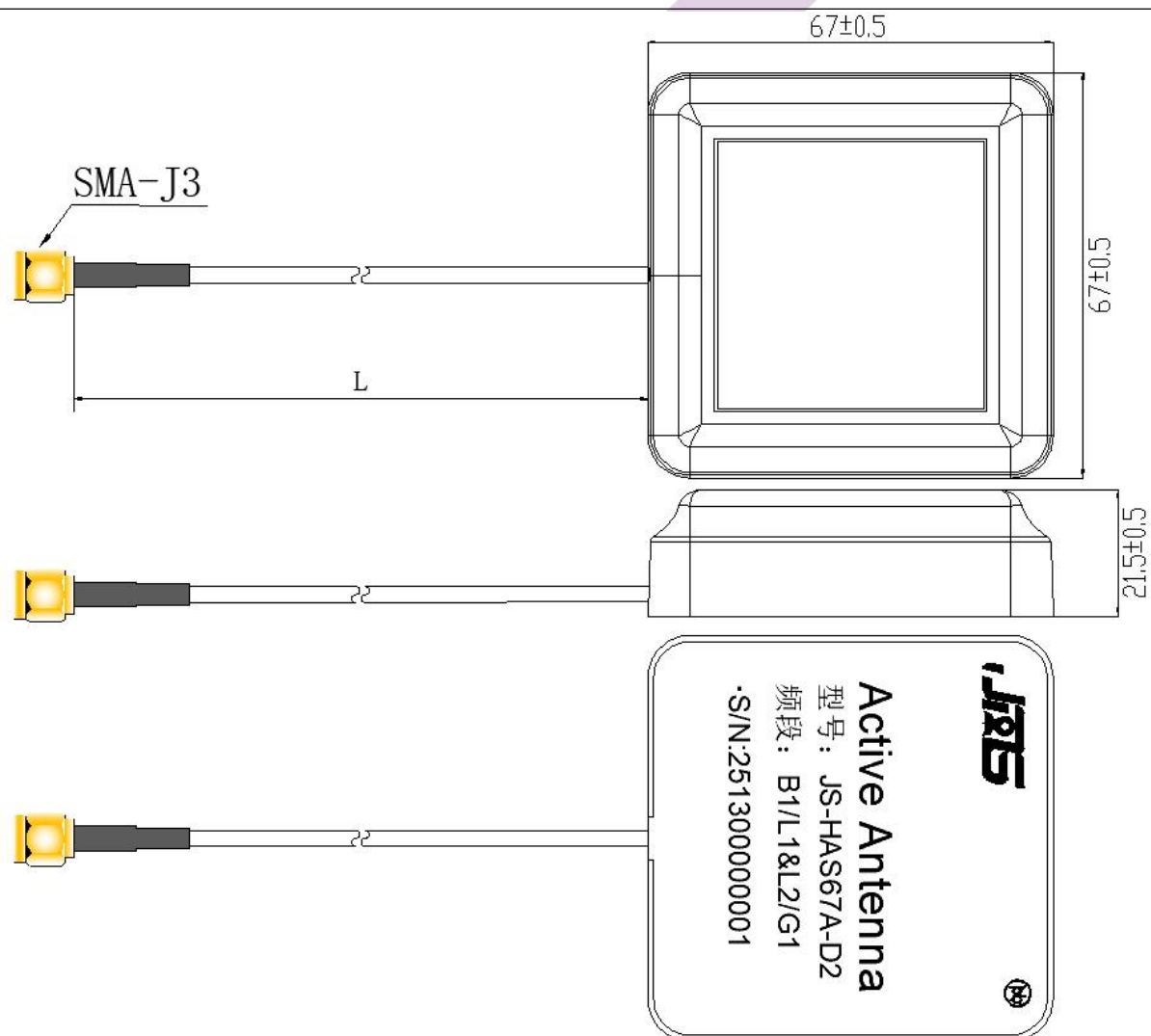


#### 2) L2



Test voltage: 3.3V

## 4. Product structure diagram ( unit : mm)



L = 3000 ± 100 mm

## 5. Main material properties

Serial Number	Material Name	Material Description
1	Ceramic antenna	Dielectric ceramics
2	circuit board	FR4
3	Shielding cover	Tinplate
4	RF cable	RG174
5	RF connectors	SMA-J3
6	magnetic steel	neodymium iron boron

## 6. Reliability Test

1	Operating temperature	-40°C~ +80°C
2	Storage temperature	-40°C~ +85°C
3	Vibration test	Sine sweep 1g(0-p)
		10~55~10Hz each axis
4	Enclosure protection rating	IPX7

## 7. Remarks

1. This product specification guarantees the quality of our product as a single unit. Before our product is installed, please ensure that the product has been evaluated and confirmed.
2. This product is not recommended for use in OEM manufacturing. Please be aware of the applicable environment.
3. The product warranty period is 1 year. If the product fails due to normal use within 1 year, it can be repaired free of charge. After the warranty period, the repair cost will be calculated

based on the actual repair cost.

4. Install the product with the front facing the sky as much as possible to ensure good satellite signal reception.

5. This product is an electronic product; please take precautions against static electricity.