

1. Performance number

Passive antenna parameters		LNA parameters	
Frequency Range	GPS L1/L2/L5 DBS B1/B2/B3 GLOANSS G1/G2/G3 GALILEO E1/E5a/E5b/E6 QZSS L1/L2/L5/L6 IRNSS L5 SBAS L1/L5	Gain	L1 Band: 38 ± 2 L2 Band: 40 ± 2
		VSWR	≤ 2.0
		Coefficient of noise	$\leq 2\text{dB}$
		In-band flatness	$\pm 2\text{dB}$
		Operating voltage	+3.3V~12VDC
		Working current	$\leq 45\text{mA}$
		Differential transmission delay	$\leq 5\text{ns}$
		Filter	2-way filtering
		Antistatic device	YES
Max Gain	4dbi		
Output VSWR	≤ 2.0		
Impedance	50 Ω		
Polarization	R. H. C. P.		
Axial ratio	$\leq 3\text{dB}$		
Horizontal covering Angle	360 °		
Phase center difference	$\pm 2\text{mm}$		

2. Size

Size	58.5*57*23.8	Mounting	Magent
Weight	$\leq 60\text{gram}$	Connector	TNC
Color	White	Cable	Customize

3. Working conditions

Temperature: $-35^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Humidity: 0% ~ 95% Non condensation

4. Condition of storage

Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Humidity: 0% ~ 95% Non condensation

5. Environmental test

1. High temperature test: placed in the constant temperature and humidity test chamber with the temperature of 85°C and the humidity of 95% for 24 hours, the shape has no deformation after being checked. After recovering at room temperature (at least 1 hour), its performance test is shown in the following table:

