

# Multi-Frequency Antenna GM001

## Product Description

---

GM001 is a GPS, BDS, GLONASS, GALILEO  
The four-system multi-frequency handheld antenna can be widely used in surveying and mapping, high-precision UAV and other industries, especially suitable for surveying and mapping handhelds, PAD, etc.



## Technical Features

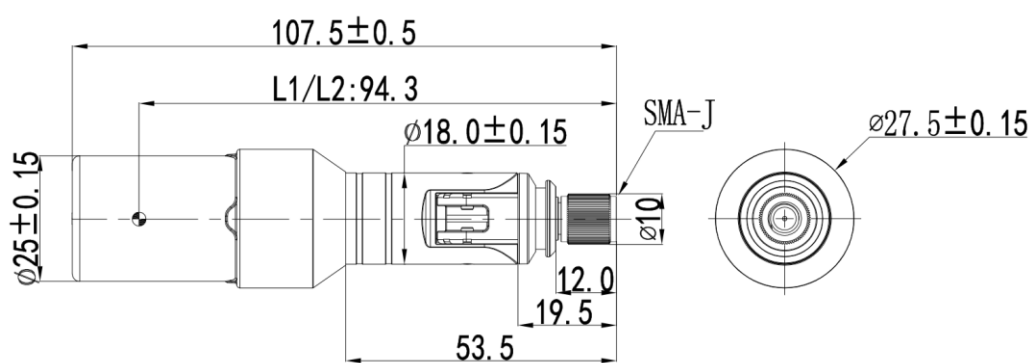
---

- 1、 The passive antenna has high gain, wide beam, good reception effect of low-elevation-angle signals, and can still receive satellites normally in the environment with serious occlusion;
  - 2、 The working frequency bandwidth of passive antenna can well support multi-system and multi-frequency operation, especially the B3 frequency point of the global network, which greatly improves the system stability;
  - 3、 The antenna has a bending structure, which is small in size, easy to carry and easy to use;
  - 4、 The antenna has high out-of-band suppression, which can effectively avoid the system instability caused by signal interference such as communication base stations.
-

## Technical parameter

Passive Antenna Characteristics		Low Noise Amplifier Characteristics		Whole machine & structure & environmental adaptability	
Frequency Range	BDS B1/B2/B3 GPS L1/L2 GLONASS G1/G2 GALILEO E1/E5b	Gain	33±2dB	Connector	SMA
Impedance	50 ohms	Noise Figure	≤1.5dB	Antenna size	φ27.5*107.5mm
Polarization mode	right-handed circular polarization	Output standing wave	≤2.0	Installation method	SMA screw-on installation
Antenna Axial Ratio	≤3dB	In-band flatness	±1dB	Operating temperature	-25℃~+70℃
Horizontal plane coverage	0°~360°	Operating Voltage	DC3.3~12V	Storage temperature	-40℃~+70℃
Output standing wave	≤1.5	Working current	≤50mA	Storage humidity	95% non-condensing
Highest gain	2.5dBi				
Phase center error	±3mm				

## Structural properties



主视图

侧视图