

# HELIX ANTENNA MH3701C



## HIGH PRECISION HELIX ANTENNA FOR POSITIONING APPLICATIONS

### Product Description

MH3701C adopts a four-arm helix structure to ensure that the phase center and geometric center errors of the antenna are small, which can effectively reduce the measurement error. The antenna has high gain, wide beam, and good reception effect for low-altitude signals.

### Application Field

The antenna can be used with a variety of receivers, and is widely used in fields such as drones, handheld terminal equipment and small RTK equipment, and can also be selected for use in the military field according to application conditions.

### KEY FEATURES

- Supports GPS L1/L2、GLONASS L1/L2、BD B1/B2/B3 signal reception
- High gain antenna having superior tracking performance at low elevation angles
- High stability and high repeatability at phase center
- Extreme lightweight, Less than or equal to 30g



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## PERFORMANCE

Signal Received	
GPS	L1/L2
GLONASS	L1/L2
BDS	B1/B2/B3
VSWR	≤1.8
Maximum Gain	3.0dBi
Antenna AR	≤3.0dB
Polarization	RHCP
Port Impedance	50Ω
LNA Gain	33±2dB
Noise Figure	≤1.8dB

Operation Voltage	3.0-12 VDC
Operation Current	≤42mA

## MECHANICAL

Dimensions	Φ27.5×57.5mm
Connector	SMA-J
Weight	≤30g

## ENVIRONMENTAL

Temperature	
Operating	-40℃ to +70℃
Storage	-55℃ to +85℃

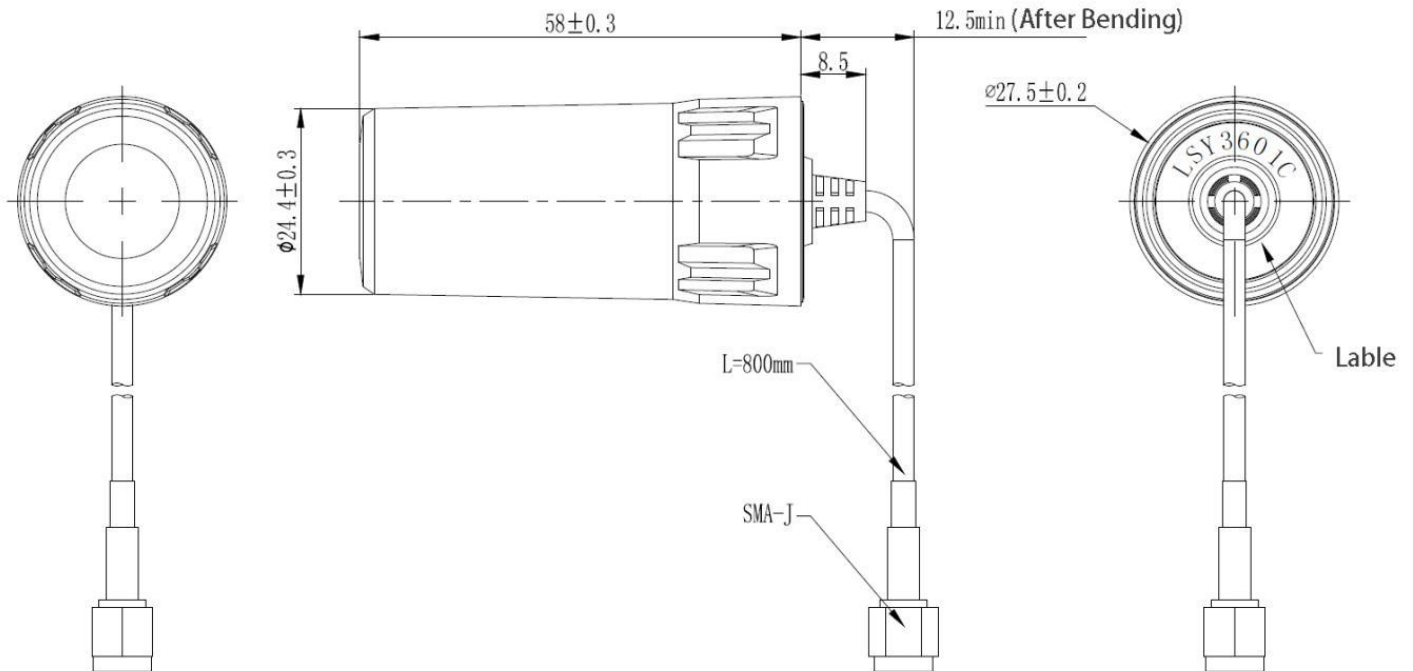
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## Structure & Phase Center Drawing (mm)



Undeclared tolerance:  $\pm 0.3$ mm