



Key Features

- Support GPS L1/L2 GLONASS L1/2 bands
- High stability and high repeatability at phase center
- Antenna with high gain can has a superior tracking performance at low elevation angle
- Very low noise figure
- GIS&RTK applications
- IP65 dustproof and waterproof
- Ultra light weight :19g

Helix Antenna HX-CH4605A

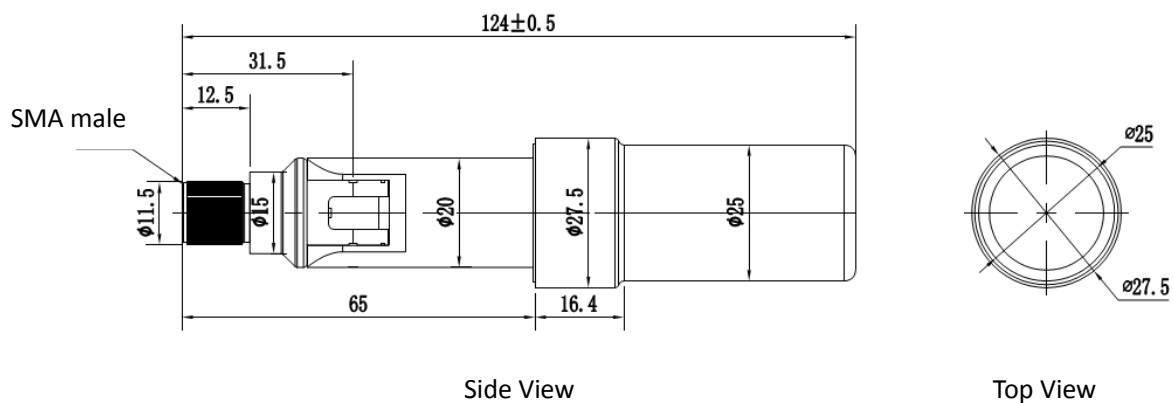
HX-CH4605A is a GPS L1/L2 and GLONASS L1/L2 bands Helix antenna, which has unique flexible structure design with small size and lightweight, it can get a signal in many different orientations. This helix antenna is designed for applications across various markets such as GNSS PAD, tablet, handheld device and other mobile devices.

This Helix antenna has exceptional pattern control, polarization purity and high efficiency in a very compact form factor. Antenna element has high gain and wide beam width to ensure the signal receiving performance of satellite at low elevation angle. HX-CH4605A is equipped with solid SMA male that makes the antenna dust proof and waterproof grade can reach IP65 once installed on a mating surface.

Technical Specifications

Antenna Specification	
Frequency Range	GPS L1/L2 GLONASS L1/L2
Impedance	50ohm
Polarization	RHCP
Axial Ratio	≤3dB
Azimuth Coverage	360°
Output VSWR	≤2.0
Peak Gain	2dBi
LNA Specification	
LNA Gain	33 ± 2dB

Noise Figure	≤2.0dB
Output VSWR	≤2.0
Operation Voltage	3.3VDC
Operation Current	≤55mA
Ripple	± 2dB
Mechanical Specification	
Dimension	φ 27.5*124mm
Connector	SMA male
Weight	35g
Environment Spec	
Storage /Operating Temp	-40°C~+70°C
Humidity	95% No-condensing



Dimension (mm)

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