

GNSS OEM Antenna

HX-CH4013A

Product Introduction

HX-CH4013A is a GPS/GLONASS dual band antenna, which supports GPS L1/L2 and GLONASS L1/L2. This OEM antenna is super compact, light with high precision capability, adopting multi feed design to ensure the superposition of phase center and geometrical center, and minimize the influence measurement error. In addition, high gain and wide beam width ensure the signal receiving performance of satellite at low elevation angle. HX-CH4013A can be widely used in surveying and mapping, unmanned aerial vehicles, aerial photographs, precision agriculture, telemetry technology, disaster monitoring, traffic patrol, security monitoring applications, etc.

Technical Features

- Multi-path rejection board inside can eliminate the multi-path influence to measurement error.
- High stability and high repeatability at phase center
- Flexible to customize size, LNA gain and connector
- Very low noise figure
- Compact &Light

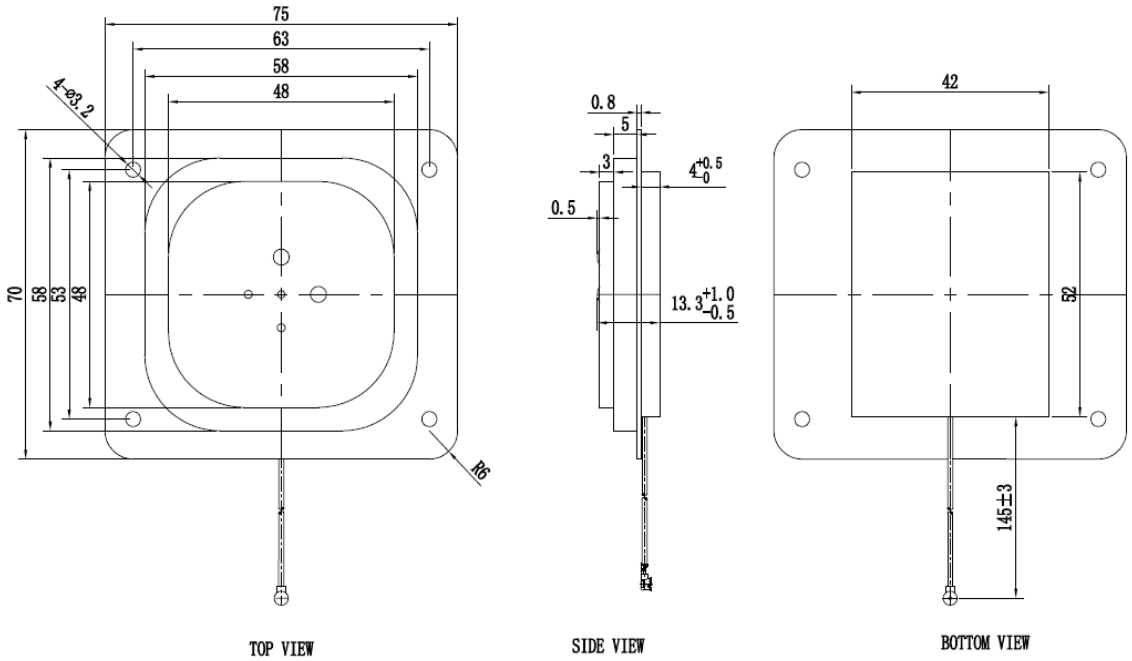
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Technical Parameter

Antenna Spec	
Frequency Range	GPS L1/L2 GLONASS L1/L2
Impedance	50Ohm
Polarization	RHCP
Axial Ratio	<3dB
VSWR	≤2.0
Gain at Zenith	4dBi
LNA Spec	
LNA Gain	40±2dB
Noise Figure	≤2.0dB

VSWR	≤2.0
Operation Voltage	3.0-3.3VDC
Operation Current	≤35mA
Mechanical Spec	
Dimension	75*70*12.8mm
Connector	U.FL
Environmental Spec	
Operating Temp.	-40℃～+85℃
Storage Temp.	-55℃～+85℃
Humidity	95% No-condensing

Structural Drawing



Undeclared tolerance:±0.2mm