GEODETIC ANTENNA MG4N52A



HIGH PRECISION GNSS ANTENNA FOR SURVEYING APPLICATIONS

Product Description

MG4N52A is a built-in four-star full-frequency measurement antenna. It adopts multi-feed point design to ensure that the phase center of the antenna coincides with the geometric center It is compact in size and light in weight, effectively reducing the weight of the equipment.

Application Field

The antenna can be used with a variety of satellite navigation receivers, and is widely used in fields such as geodetic surveying and mapping, channel surveying and mapping, precision agriculture and marine surveying, and can also be selected for use in the military field according to application conditions.

KEY FEATURES

- Support GPS L1 / L2 / L5 / L_Band GLONASS L1/L2/L3 BDS B1/B2/B3 GALILEO E1/ E5a/E5b/E6 BT/WIFI Mobile communication 4G signal reception
- Robust low-elevation satellite tracking
- Adopts multi-feed point design, ensures the performance of righthand circular polarization and phase center, reduces the influence of measurement error.
- High gain, miniaturization, high sensitivity, multi-system compatibility and high reliability



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PERFORMANCE

Signal Received				
5		Band Flatness	±2dB	C
GPS	L1/L2/L5/L_Band	Noise Figure	≤2.0dB	Guar
GLONASS	L1/L2/L3	Holden Igare	-2.040	Tech
BDS	B1/B2/B3	Operation Voltage	3.3-12 VDC	www.
GALILEO	E1/E2/E5a/E5b/E6	Operation Current	≤45mA	sales(
BT/WIFI/4G		Differential Transmissio	on Delay ≤5ns	
VSWR	≤2.0	MECHANICAL		Room Road
Maximum Gain		 Dimensions	Φ110×110x24.5mm	Dong
GNSS	5.5dBi	Connector		China
BT/WIFI	1dBi	GNSS	MMCX-K	Tel: +
4G	1dBi	BT/WIFI/4G	IPEX	Fax: +
Antenna AR	≤3.0dB	Weight	≤280g	
Phase Center Error	±2mm	ENVIRONMENTAL		
Polarization	RHCP	Temperature		
Port Impedance	50Ω	Operating	-40℃to +85℃	
		Storage	-55℃ to +85℃	
LNA Gain	45±2dB	Humidity	95% non-condensing	

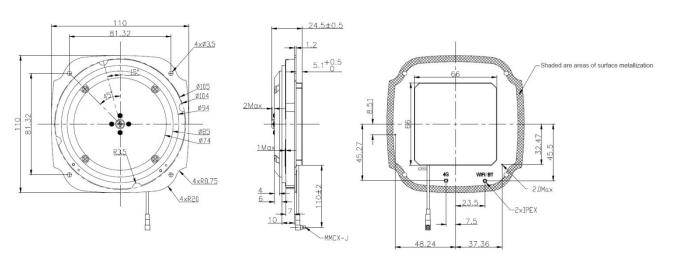
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Structure& Phase Center Drawing (mm)



Undeclared tolerance:±0.3mm