

HIGH PRECISION HELIX ANTENNA FOR POSITIONING APPLICATIONS

Product Description

MH4N13A is a four-star full-frequency helical antenna with the characteristics of small size, light weight, high precision, high sensitivity, high reliability, and multi-system compatibility, which can effectively meet the needs of users.

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
- Small size, extremely light weight, less than or equal to 30 grams
- High positioning accuracy, high reliability
- High gain, wide beam and good reception effect for low elevation signal.



HELIX ANTENNA MH4N13A



PERFORMANCE

Signal Received	
GPS	L1/L2
GLONASS	L1/L2
BDS	B1/B2/B3
GALILEO	E1/E2/E5a/E5b
VSWR	≤1.8
Maximum Gain	2.5dBi
Antenna AR	≤3.0dB
Polarization	RHCP
Port Impedance	50Ω
LNA Gain	30±2dB
Noise Figure	≤1.8dB

Operation Voltage	3.0-12 VDC
Operation Current	≤42mA

MECHANICAL

Dimensions	Φ27.5×105.6mm
Connector	SMA-J

ENVIRONMENTAL

Temperature	
Operating	-40°C to +70°C
Storage	-55°C to +85°C

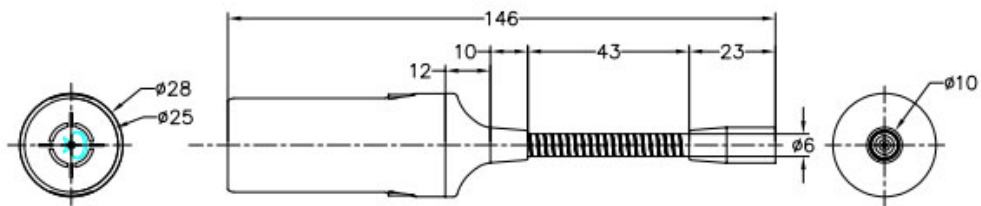
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Structure & Phase Center Drawing (mm)



Undeclared tolerance: ±0.3mm