

Multi-star Multy-frequency spiral antenna
PN: GL301JC

Product description

* GL301JC is a multi-star and multi-frequency active spiral antenna, designed with multi-arm spiral technology, supporting compass B2 and B3,

* L1/L2 or L1/L5 tri-band satellite navigation signal reception for GPS, GLONASS and GALILEO systems,

It can meet the needs of multi-system compatibility and high-precision measurement, and can be widely used in portable equipment, UAV and other high-precision guidance

Position the occasion, accept user customization.

Technical characteristics

* Multi-arm helix technology is used to ensure right-handed circular polarization and phase center performance, reducing the impact of measurement errors;

* Antenna unit using air medium, has the characteristics of high gain, small gain roll down, low elevation satellite signal reception Good, to ensure that in some of the more serious occasions can still be normal star;

* 3 protective covers, for the antenna long-term work in the field to provide protection.

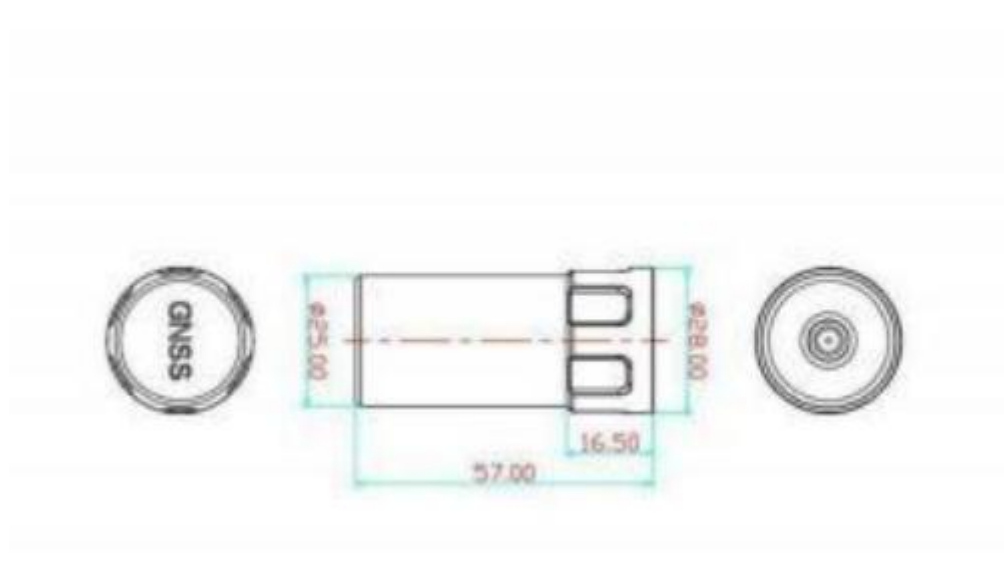
Applications



Product Outline



RTK Antenna drawing



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Electrical Characteristics			
Antenna			
Antenna	1	Antenna model	GPS Compass GLONASS GALILEO
	2	Nominal frequency	GPS L1: 1575.42±1.023MHz, L2: 1227±1.023MHz; L5:1176±1.023MHZ Compass B1: 1561±2.046 MHz, B2: 1207±2.046MHz, B3: 1268±10.23MHz; GLONASS L1=1602+0.5625*k(MHz), L2=1246+0.4375*k(MHz) GALILEO E1: 1575.42
	3	Frequency Range	1197-1278/ 1559-1612MHz
	4	V.S.W.R	≤2.0
	5	Axial Ratio	elevation 90° :≤3, elevation 15°:≤5
	6	Gain	elevation 90°: ≥6, elevation 20°: ≥0 plane
	7	Front to back Power	±60° ≥15dB
	8	Phase center (mm)	<2
	9	Impedance	50Ω
	10	Polarization	RHCP
LNA	1	LNA Gain	38±2dB
	2	V.S.W.R	<2
	3	Noise Figure	<1.0
	4	DC Voltage	3.3~12V
	5	Current	25~40 mA

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