

GNSS antenna pajamas -500



1. Product description

pajamas The -500 is a 4-star full-frequency helical antenna. This antenna is characterized by its small size, high positioning accuracy and light weight, allowing it to effectively meet the needs of users.

2. Applications

It can be used in a variety of receivers and is widely used in UAVs, mobile devices, small RTK devices, and more. Depending on the conditions, it can also be used in military fields.

3. Technical parameters

Antenna specifications

Frequency range (MHz)	BDS B1/B2/B3 GPS L1/L2/L5 Gronus L1/L2 Galileo E1/E5a/E5b
Gain (dBi)	3
Antenna AR(dB)	≤3
Horizontal cover angle	360°
VSWR	≤1.5
Polarization	Right circular polarization
Port Impedance (Ω)	50
Phase center error (mm)	±2

Electrical specifications

Gain (dB)	35±3
Noise figure (dB)	≤1.8
Operating voltage (V)	3.3-12.0
Operating current (mA)	≤50
Output VSWR	≤2
In-band flatness (dB)	±2
Differential Propagation Delay (ns)	≤5

Structural features

Connector type	SMA-J
Antenna size (mm)	Φ48.0×32.8
cable	RG316 Line
Line length (m)	1
Antenna weight (g)	≤25 (Not including wire)

Work environment

Operating temperature (°C)	-40~70
Storage temperature (°C)	-55-85
waterproof Grade year	IP67

If you are interested in this product, please feel free to contact us.

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