BT-560

GNSS Antenna

Datasheet

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1. Product Introduction



BT-560 is a four-star nine-band helical antenna. The antenna has the characteristics of small size, high positioning accuracy and light weight, which can effectively meet the user's needs.

2. Application Area

It can be used with a variety of receivers. It is widely used in the fields of UAV, handheld terminal equipment and small RTK equipment. It can also be used in the military field according to the application conditions.

3. Specifications

Antenna Specifications	
Frequency Range(MHz)	GPS L1/L2 GLONASS L1/L2 BDS B1/B2/B3 GALILEO E1/E5b
Gain(dBi)	<3
Antenna AR (dB)	≤3
Horizontal coverage angle	360°
VSWR	≤1.5
Polarization	Right-hand circular polarization
Port Impedance(Ω)	50
Phase center error(mm)	±2
Electrical Specifications	
LNA Gain(dB)	35±3
Noise figure(dB)	≤1.8
Operating voltage(V)	3.0V-18.0V
Operating current(mA)	≤50

Output VSWR	≤2
In-band flatness(dB)	±2
Differential propagation delay(ns)	≤5
Structural Characteristics	
Connector type	SMA-J
Antenna size(mm)	Φ27.3*58.6
Antenna weight(g)	≤20
Working Environment	
Operating temperature(℃)	-40 - +70
Storage temperature(℃)	-55 - +85
Waterproof grade	IP67

4. Product Dimension(mm)

