

BT-T009 GNSS Antenna Datasheet

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1. Product Introduction



BT-T009 is a four-star full-frequency spiral antenna. The antenna has the characteristics of small size, high positioning accuracy and light weight, which can effectively meet the needs of users.

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/L5 BDS B1/B2/B3 GLONASS G1/G2/G3 GALILEO E1/E6/E5b
Gain(dBi)	2
Antenna AR (dB)	≤ 3
Horizontal coverage angle	360°
VSWR	≤ 2
Polarization	Right-hand circular polarization
Port Impedance(Ω)	50
Phase center error(mm)	± 2

Electrical Specifications

LNA Gain(dB)	32 \pm 2
Noise figure(dB)	≤ 2
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 Characteristics	
Connector type	SMA-J
Antenna size(mm)	$\Phi 38*49.1$
cable	RG316
length	60cm
Antenna weight(g)	≤ 2 (Excluding line length)
Working Environment	
Operating temperature($^{\circ}\text{C}$)	-40 - +85
Storage temperature($^{\circ}\text{C}$)	-55 - +85

4. Product Dimension (mm)

