

Dual Frequency Timing Active Antenna

Product information

Product Model: PTS-ANT-GPS-BDS-N

Product Frequency bands: GPS L1、BDS B1

Product Usage:

Used with a variety of domestic and foreign timing modules, can provide high-precision clock synchronization signals for base stations, power equipment, navigation, etc.

Product Description:

- 1、 High antenna gain, wide directional map beam, and low noise figure ensure better signal-to-noise ratio of received signals
- 2、 Built-in lightning protection circuit, can effectively protect the amplifier circuit, in the outdoor harsh environment normal operation
- 3、 Waterproof and UV resistant outer cover for the antenna to work in the field for a long time

Electrical Specifications

Frequency	Range (MHz)	GPS L1:1575.42±1.023、BD B1:1561.098±2.046
Gain (dBi)		≥4.5
Axial Ratio (dB)		≤3 (elevation 90°)
VSWR		<2
Polarization		Right-hand circular polarization

Frequency	Range (MHz)	GPS L1:1575.42±1.023、BD B1:1561.098±2.046
LNA Gain (dB)		34±2
Noise Figure (dB)		<2.5
VSWR		<2
Out of Band Rejection (dB)		30min:40≤@≤1500MHz;60min:40≤@≤1670MHz More than 50dBc rejection in 1830MHz~1900MHz
DC Voltage (V)		5±1
Current (mA)		<55
Lightning surge protection features		Conform GB/T17626.5-1999 idt IEC61000-4-5:1995 Surge waveform: CWG combined wave (1.2/50us, 8/20us) Peak voltage: 2000V

Mechanical Specifications

Connection Type	N-K
Radome color	White
Dimension(mm)	$\Phi 114 \times 114.8$
Weight(kg)	< 0.5
Operating Temperature (°C)	$-40 \sim +70$
Storage Temperature (°C)	$-55 \sim +85$

Dimension diagram: (Unmarked dimension tolerance is ± 1)

