

BXW-4820

GNSS Antenna

Datasheet

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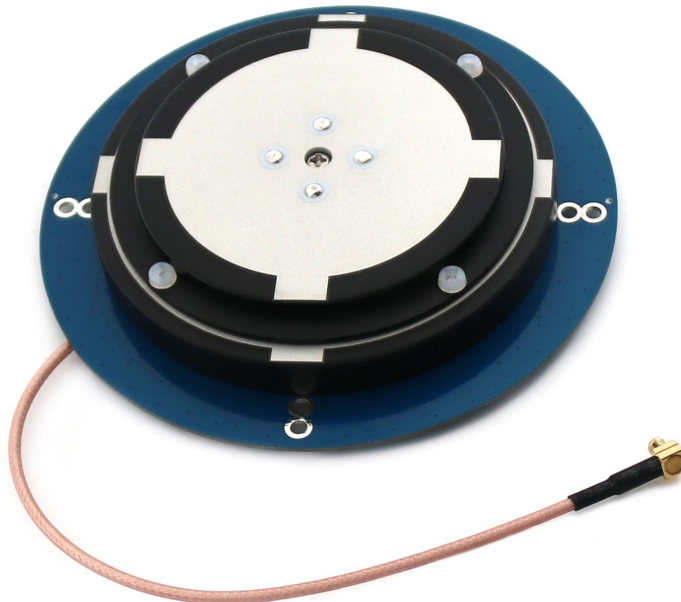


Table of parameters:

1. Characteristics of Ceramic Antenna

Item	Specification
Frequency Range(MHz)	GPS L1/L2/L5 BDS B1/B2/B3 GLONASS L1/L2/L3 GALILEO E1/E5a/E5b/E6 ABAS L1/L5 QZSS L1/L2/L5/L6 IRNSS L5 L-Band
Gain(dBi)	5.5
Antenna AR (dB)	≤ 3.0
Horizontal coverage angle	360°
VSWR	≤ 2.0
Phase center error(mm)	± 2
Polarization	Right-hand circular polarization
Port Impedance	50Ω

2. LNA Specification

Item	Specification
LNA Gain(dB)	35±2
Noise figure(dB)	≤ 2
VSWR	≤ 2.0
In-band flatness (dB)	± 2
Operating voltage(V)	3.3-12.0
Operating current(mA)	≤ 45
Differential propagation delay(ns)	≤ 5

3. Work environment

Item	Specification
Operational Temperature	-40°C - +85°C
Storage Temperature	-40°C - +85°C
Wet degree	40% - 95%

4. Structural characteristics

Item	Specification
Size	Φ120*23.2mm
Connector	MCX-JW
Weight	180g
Cable	RG316 Cable
Length	20cm

5. Structural diagram

