

Description:

SMD 22x6x1.9 GPS&GLONASS Active Antenna

PART NUMBER: ANT8010JLC1B1516A

Features:

- Size : 22.0x6.0x1.9 mm
- Support GPS & GLONASS system
- High radiation efficiency
- Integrated LNA
- Flexible cable/connector option
- RoHS compliant

Applications:

- Tablet
- Navigation device
- Telematics box
- Tracker

Ceramic Patch Antenna ELECTRICAL SPECIFICATIONS

Description	VALUE
Dimension	8.0×1.0×1.0 mm ³
Centre Frequency	1575 - 1602 MHz
Bandwidth	75 MHz (Typ.)
Gain	GPS 1575 MHz : 3.62 dBi (Typ.) GLONASS 1602 MHz : 3.71 dBi (Typ.)
VSWR	2.0 Max.
Polarization	Linear Polarization
Efficiency	GPS 1575 MHz : 57.72% GLONASS 1602 MHz : 57.59%

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:



Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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LNA ELECTRICAL SPECIFICATIONS

Description	VALUE
Centre Frequency	1575 MHz & 1602 MHz
Gain	1575 MHz : 20.7 ± 1 dB 1602 MHz : 20.7 ± 1 dB
Output VSWR	2.0 (Max.)
Noise Figure	1575 MHz : 1.86 dB (Typ.) 1602 MHz : 1.97 dB (Typ.) 40dB min 1.0 ~ 960MHz 20dB min 1427~1463MHz 20dB min 1710~1785MHz 25dB min 1850~1980MHz 40dB min 2401~2483MHz
SAW Filter (Out of Band Attenuation)	3.0 ± 0.3V
Supply Voltage	3.6 mA (Typ.)
Current Consumption	15.0 mW (Typ.)
Power Consumption	50Ω
Output Impedance	-30 ~ +85 °C
Operating Temperature	< 95% .
Humidity	-40 ~ +125 °C
Storage Temperature	

NOTE

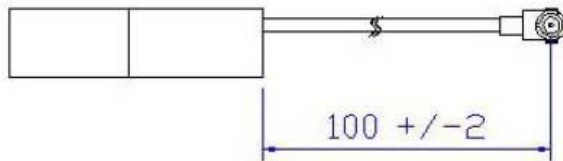
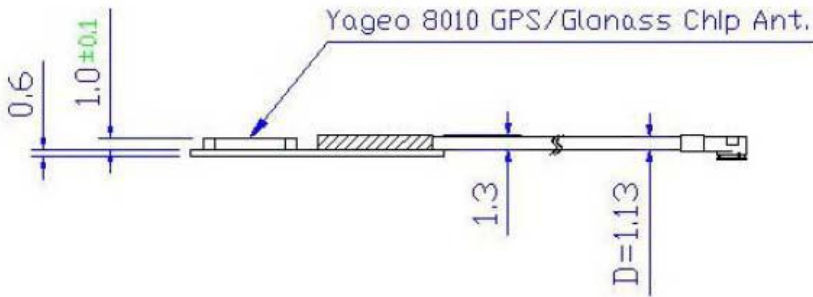
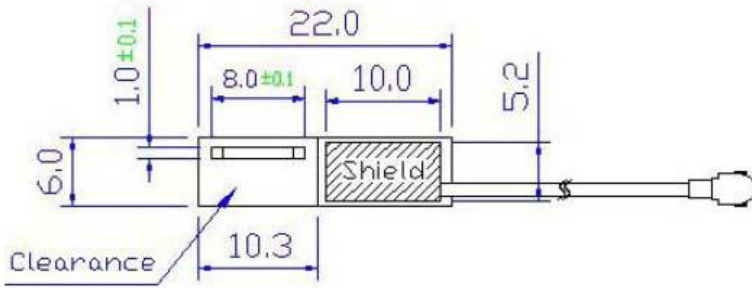
1. Based on 22*6 mm² ground plane (with customer's housing)
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
3. Please contact local sales if you need customized design to gain optimum antenna performance.

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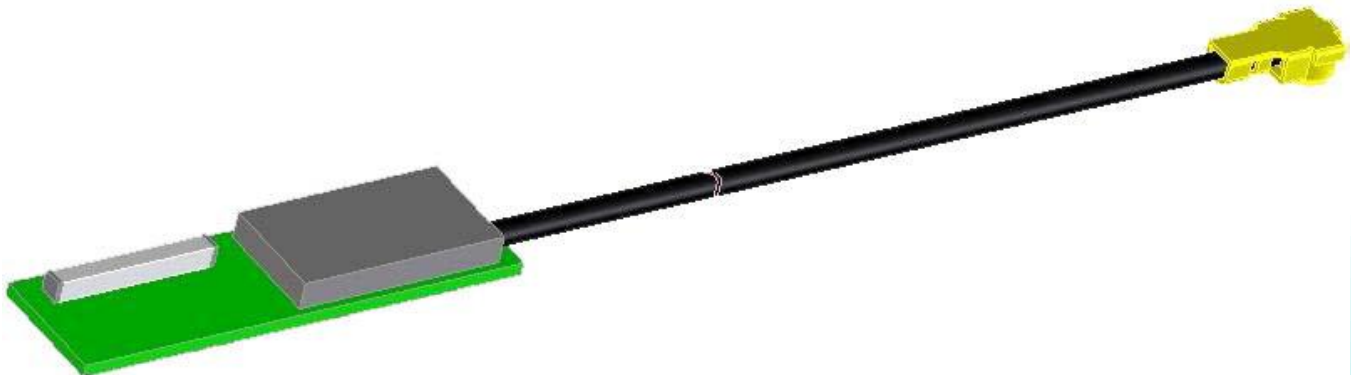
PART NUMBER: ANT8010JLC1B1516A

ELECTRICAL SPECIFICATIONS



Unit : mm

Length	22.0 +/- 0.2 mm
Width	6.0 +/- 0.2 mm
Thickness	1.9 ~ 2.1 mm
Cable	Diameter= 1.13 mm ; Length= 100 mm ; Black
Connector	I-PEX 20428
Shielding Case	10 × 5.2 × 1.3 mm ³



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Description:

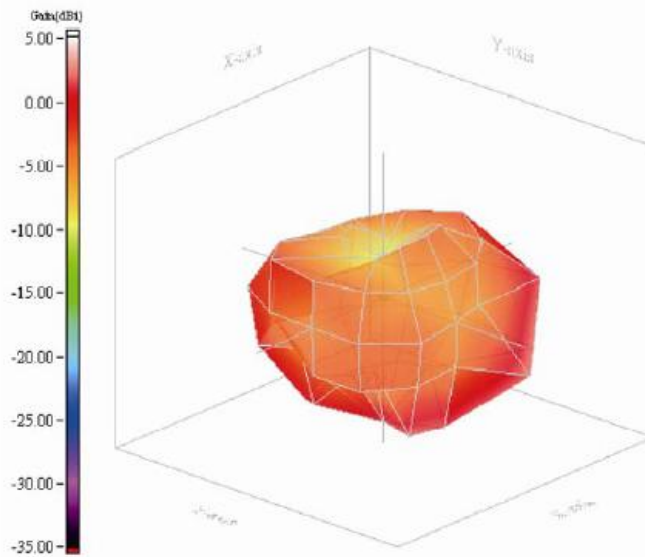
SMD 22x6x1.9 GPS&GLONASS Active Antenna

PART NUMBER: ANT8010JLC1B1516A

ELECTRICAL SPECIFICATIONS

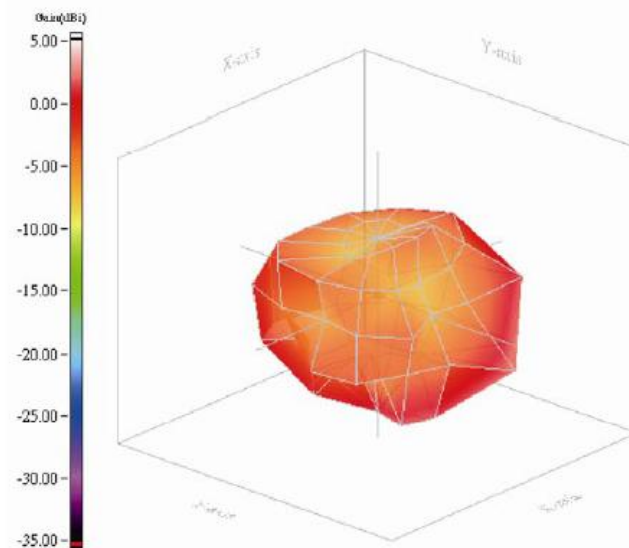
Test frequency

1575.00MHz



Test frequency

1602.00MHz



Radiation pattern

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REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 23, 2020	- New issue

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