

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna
PART NUMBER: ANT2525B00FTGNSSS

Features:

- Size : 25x25x4 mm
- Support BD2 & GPS & Glonass
- High radiation efficiency
- Pin-solder process
- RoHS compliant



Applications:

- Navigation device
- Telematics box
- Fleet management

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna

PART NUMBER: ANT2525B00FTGNSSS

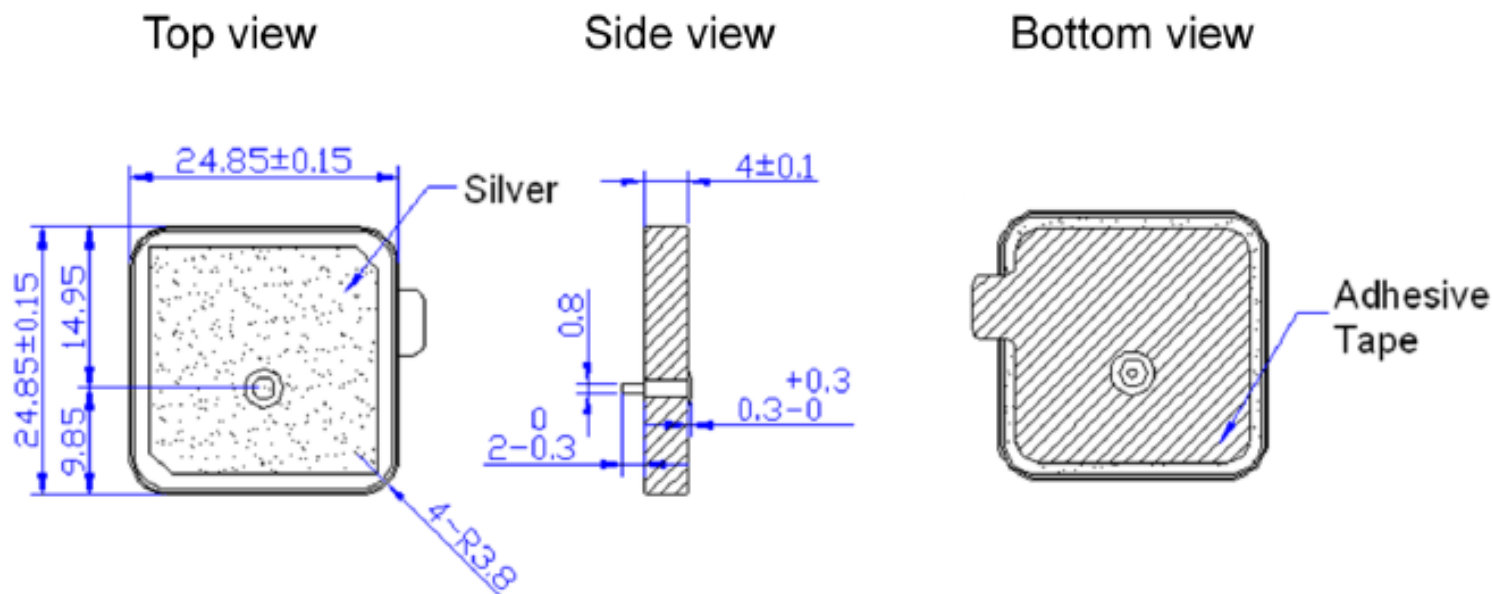
ELECTRICAL SPECIFICATIONS

Working Frequency	1559~1610 MHz
Gain	5.16 dBic (Typ.)
VSWR./Return Loss	2.0 Max. /10.0 dB Min
Polarization	Right Hand Circular Polarization
Axis Ratio	≤ 12 dB
Impedance	50 Ω
Operating Temperature	- 40~105 °C

NOTE

1. Based on 70×70 mm² square ground plane.
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.

MECHANICAL DRAWING



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

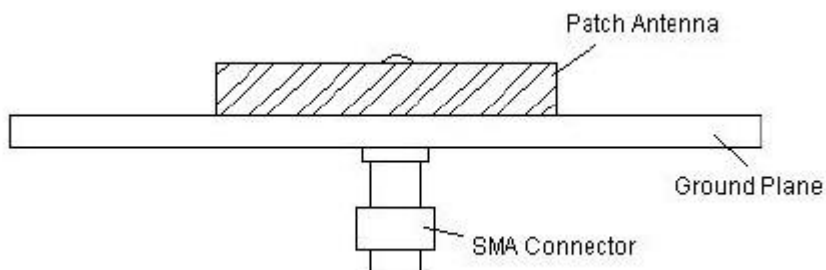
CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

**Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna**

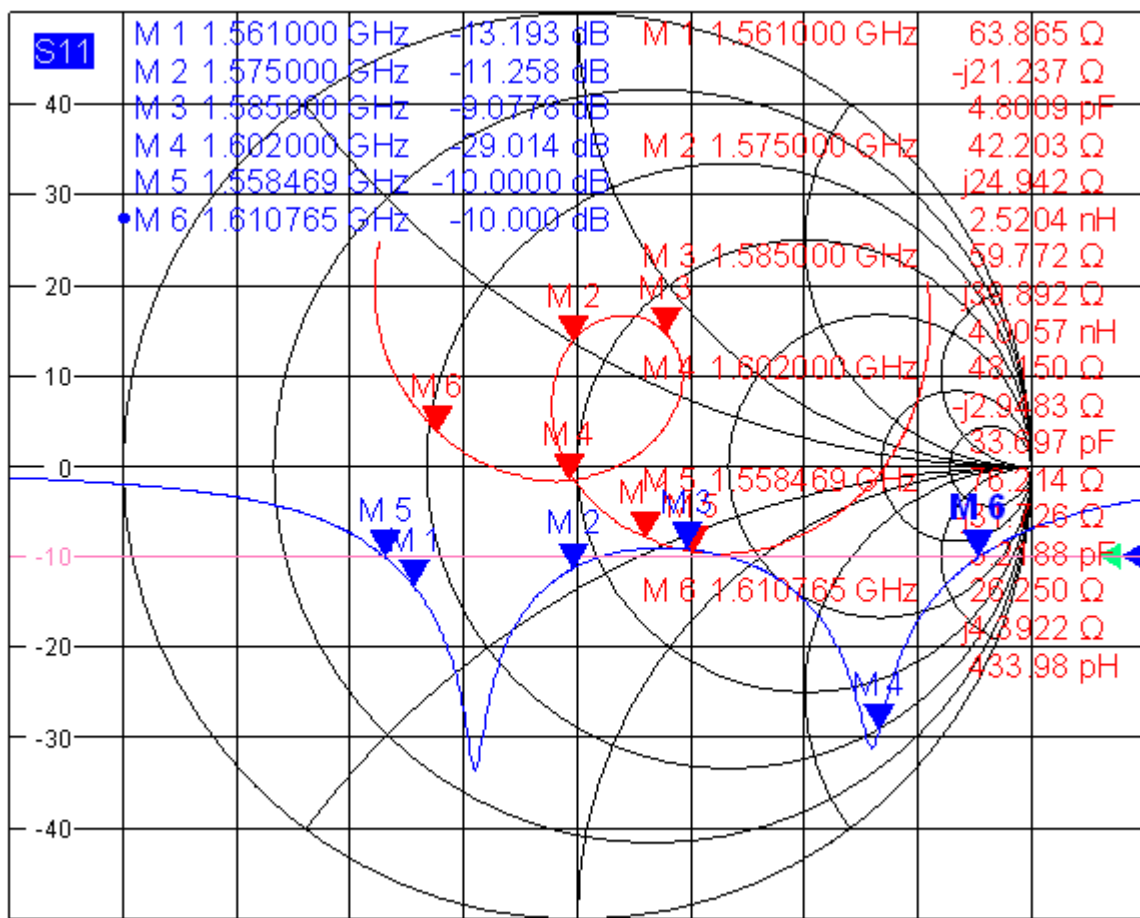
PART NUMBER: ANT2525B00FTGNSSS

REFERENCE DESIGN OF EVALUATION BOARD



GND plane size: 70 * 70 mm²

Evaluation Board



Ch1 Center 1.57542 GHz Pwr 0 dBm Span 100 MHz

Return Loss

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna

PART NUMBER: ANT2525B00FTGNSSS

REFERENCE DESIGN OF EVALUATION BOARD

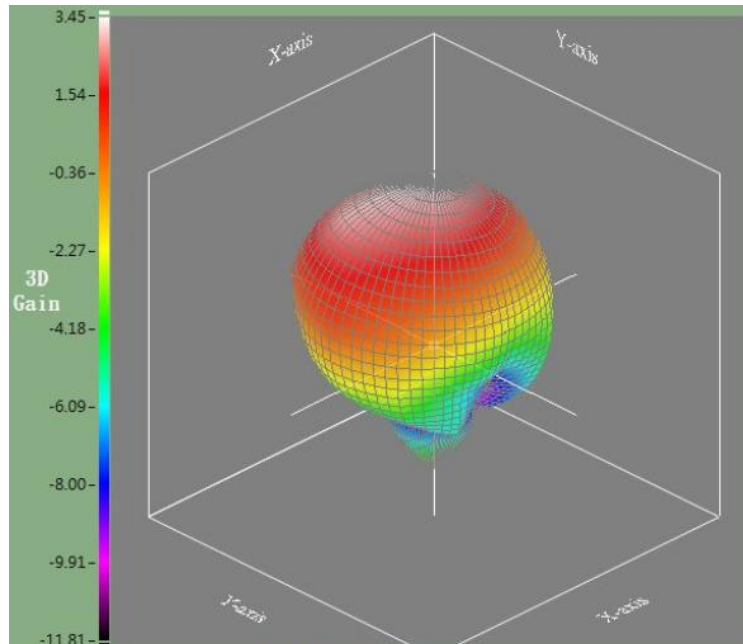


Fig. 4 Radiation Pattern (Frequency = 1559 MHz)

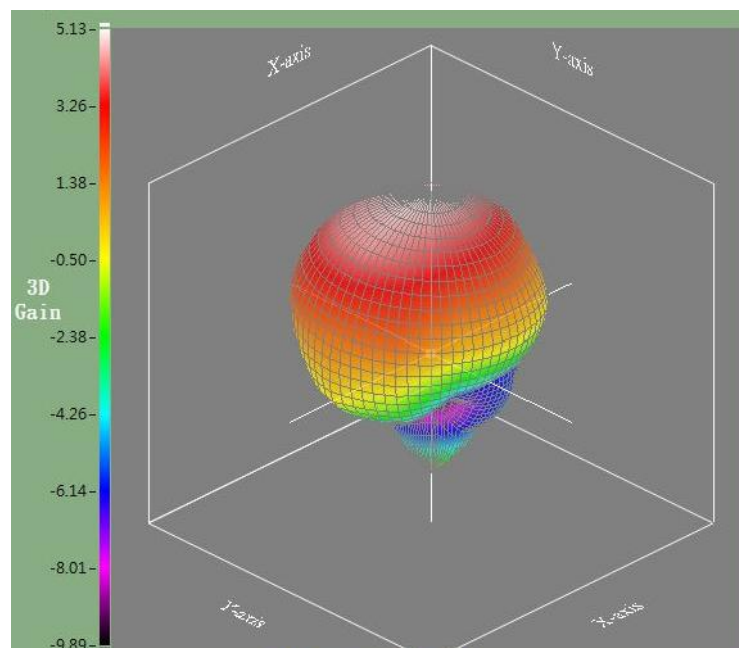


Fig 5 Radiation Pattern (Frequency = 1575 MHz)

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna

PART NUMBER: ANT2525B00FTGNSSS

REFERENCE DESIGN OF EVALUATION BOARD

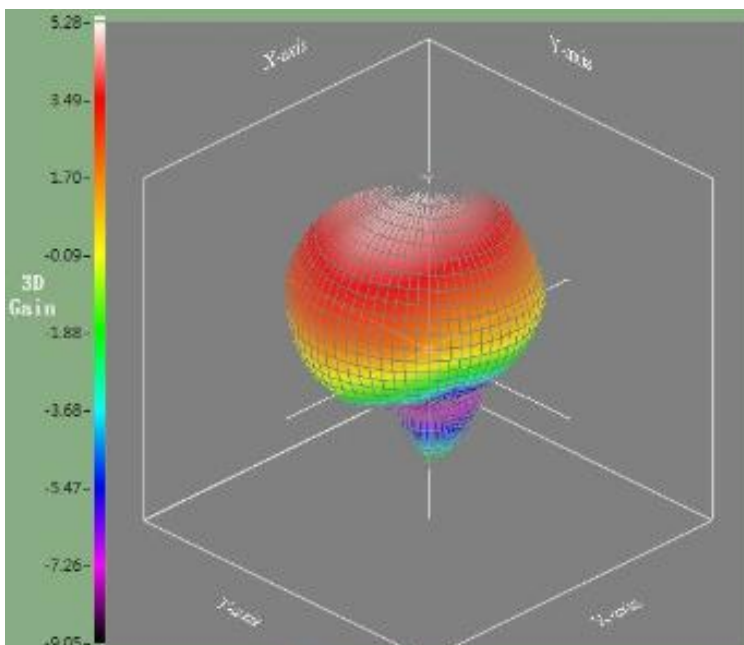


Fig. 6 Radiation Pattern (Frequency = 1585 MHz)

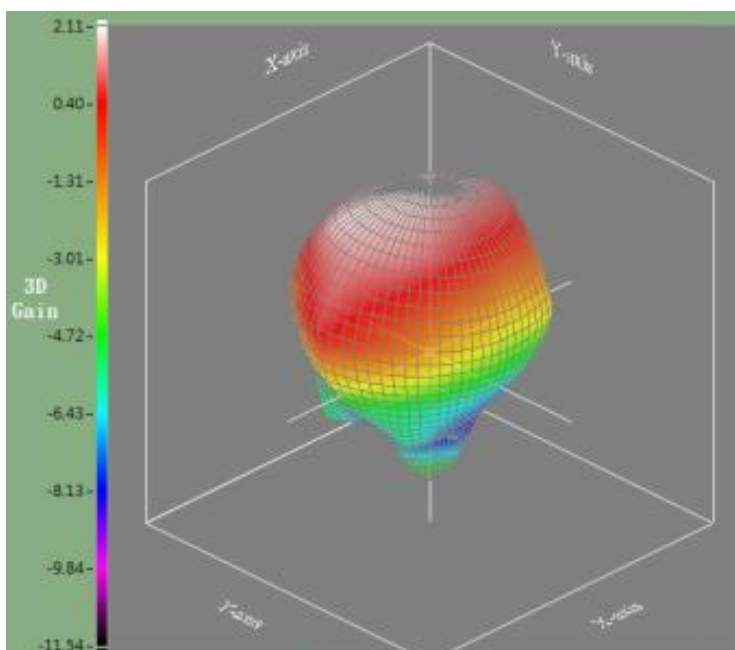


Fig 7 Radiation Pattern (Frequency = 1602 MHz)

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna

PART NUMBER: ANT2525B00FTGNSSS

REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 14, 2020	- New issue

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[ANT2525B00FTGNSSS](#)