

Description: 25254 GPS&GLONASS Patch Antenna

PART NUMBER: ANT2525B00FT1516S

Features:

- Size : 25x25x4 mm
- Support GPS & GLONASS system
- 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.

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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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ELECTRICAL SPECIFICATIONS

Working Frequency	1575~1606 MHz
Bandwidth	GPS: 20 MHz(Typ.) GLOASS: 20 MHz(Typ.)
Gain	GPS: 4.97 dBi (Typ.) GLONASS: 4.66 dBi (Typ.)
VSWR. /Return Loss	2.0 Max /10.0 dB Min
Polarization	RHCP
Axis Ratio	≤ 10 dBi
Impedance	50 Ω
Operating Temperature	- 40~105 °C

NOTE

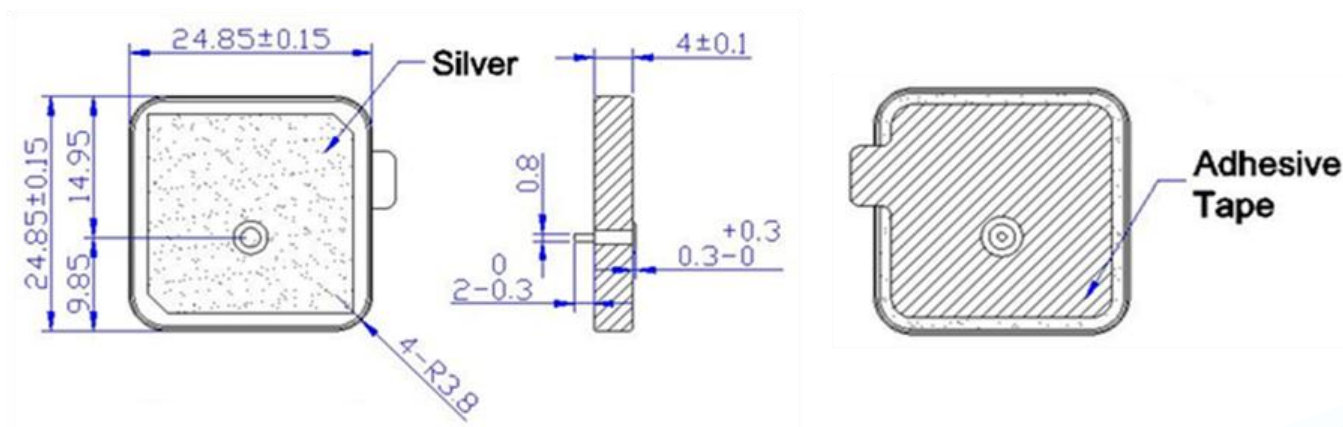
1. Based on 50 x 50mm² square ground plane.
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
3. Please contact local sales if you need customized design to gain optimum Antenna performance.

MECHANICAL DRAWING

Top view

Side view

Bottom view



Unit : mm

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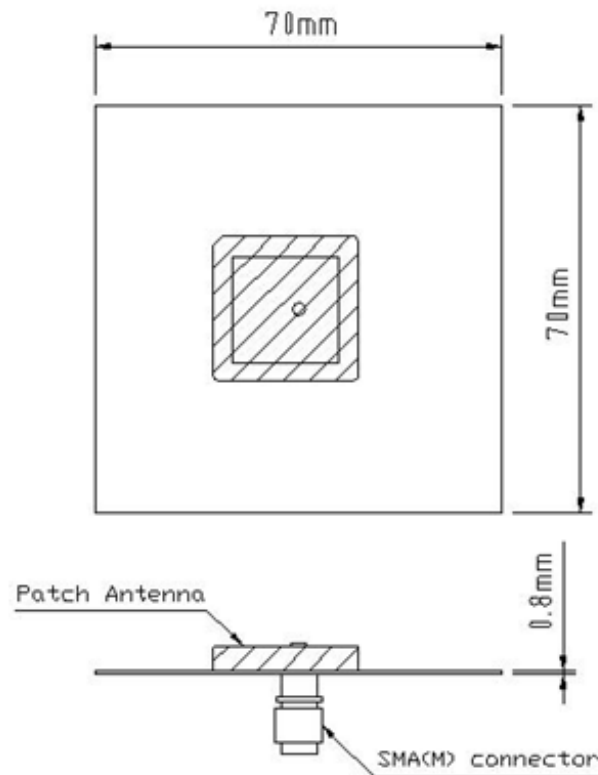
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REFERENCE DESIGN OF EVALUATION BOARD



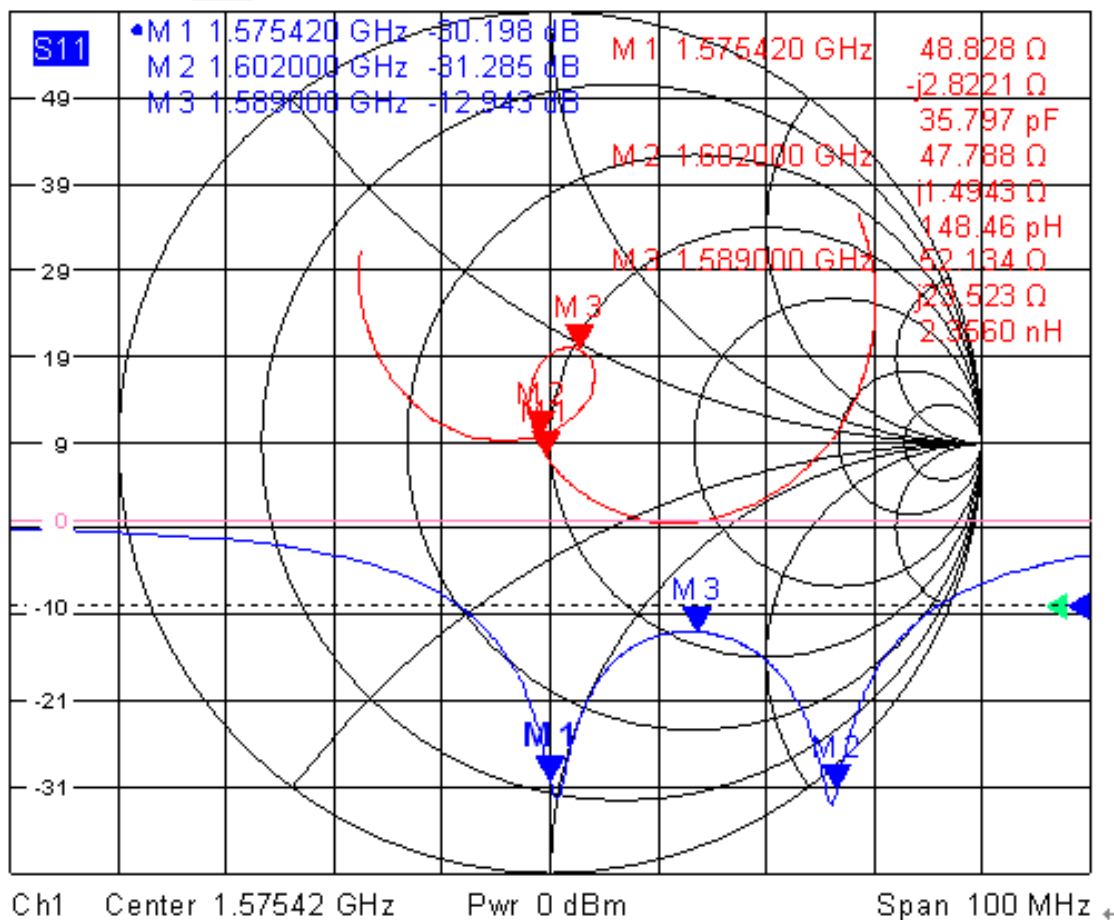
Evaluation Board

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REFERENCE DESIGN OF EVALUATION BOARD

Trc1	S11	dB Mag	10 dB / Ref -10 dB	Cal	1 of 1 (Max)
Trc2	S11	Smith	Ref1 U	Cal	
Mem3[Trc1]	S11	dB Mag	10 dB / Ref -10 dB	Invisible	
Mem4[Trc2]	S11	Smith	Ref1 U	Invisible	



Return Loss

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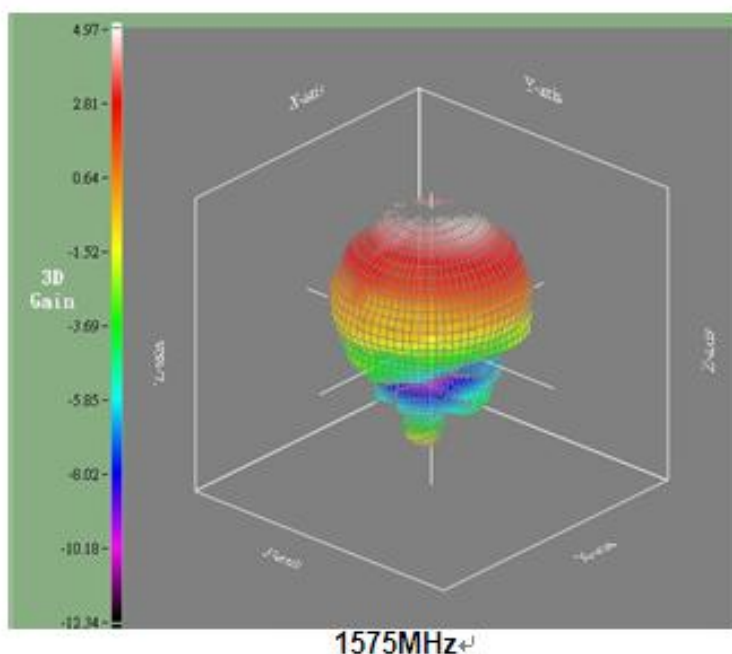
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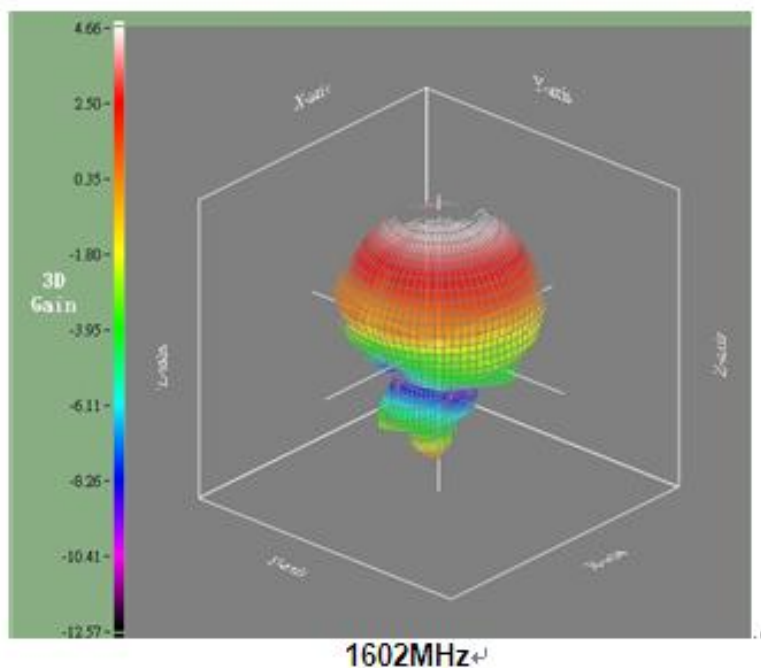
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ELECTRICAL PERFORMANCES



Radiation Pattern (Frequency = 1575MHz)



Radiation Pattern (Frequency = 1602MHz)

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REVISION HISTORY

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

Mouser Electronics

Authorized Distributor

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[ANT2525B00FT1516S](#)