

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.

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For more information:



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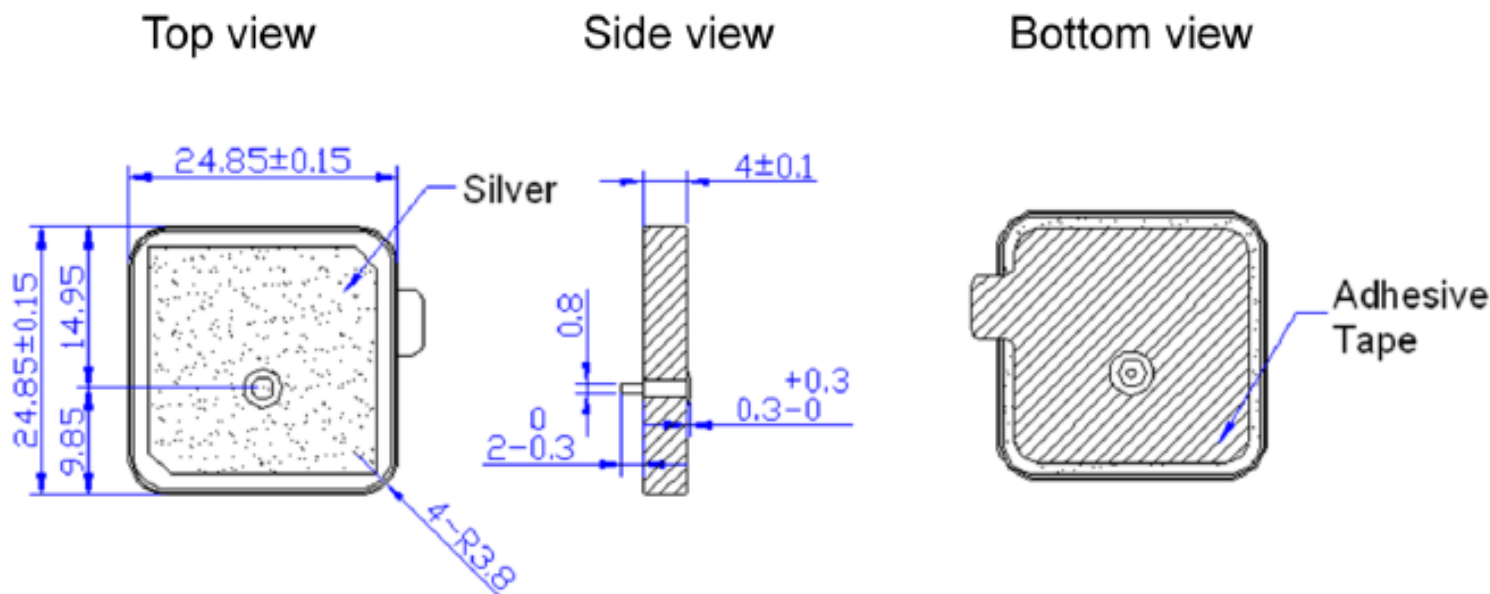
ELECTRICAL SPECIFICATIONS

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



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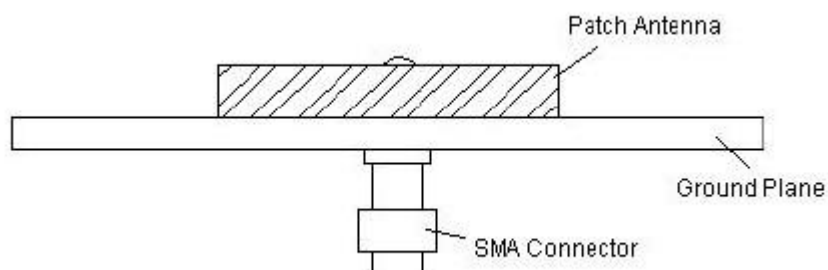
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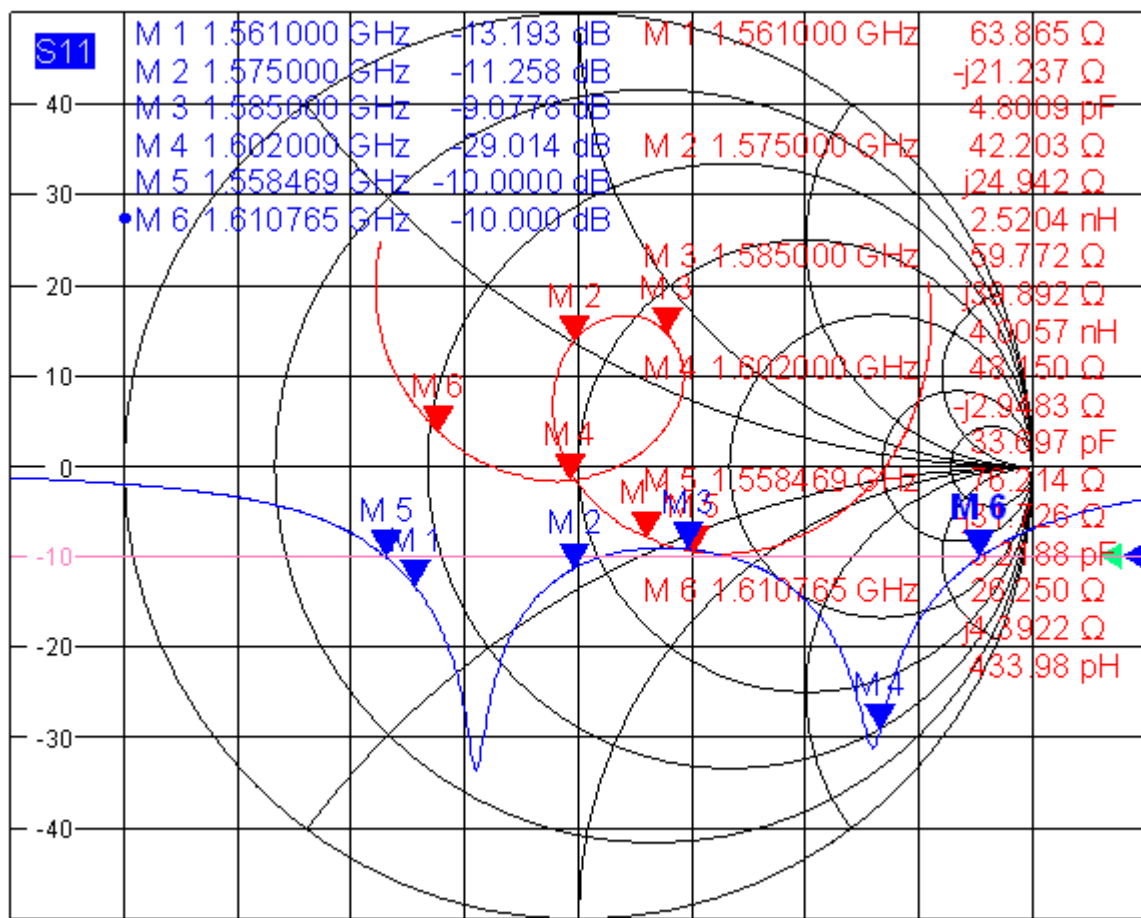
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REFERENCE DESIGN OF EVALUATION BOARD



GND plane size: 70 *70 mm²

Evaluation Board



Ch1 Center 1.57542 GHz Pwr 0 dBm Span 100 MHz

Return Loss

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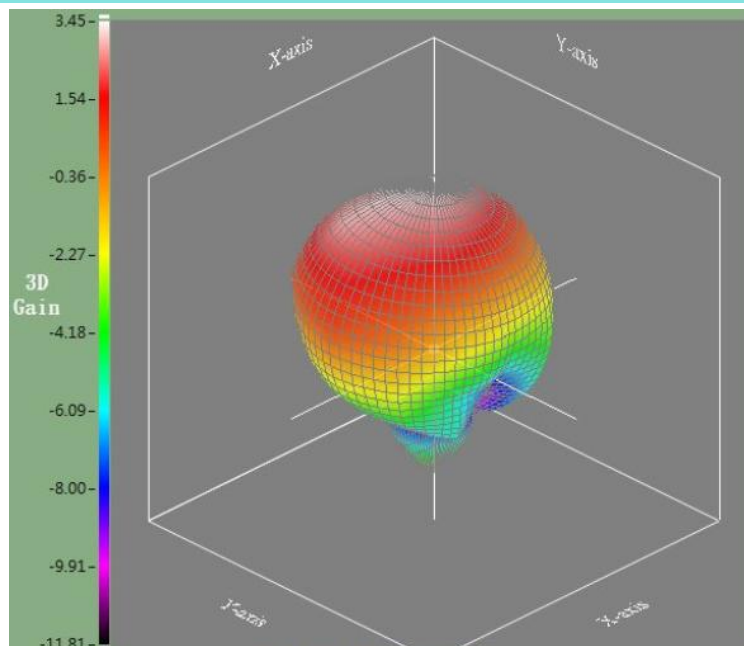


Fig. 4 Radiation Pattern (Frequency = 1559 MHz)

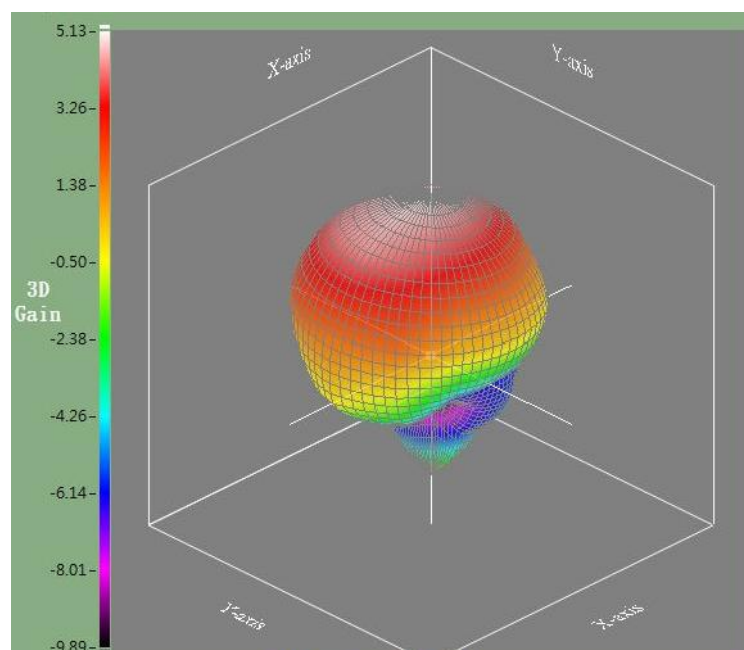


Fig 5 Radiation Pattern (Frequency = 1575 MHz)

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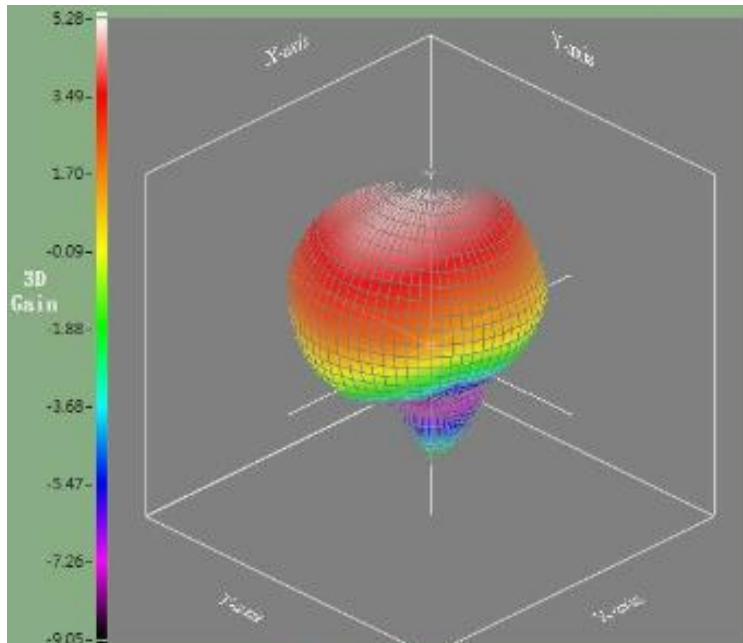


Fig. 6 Radiation Pattern (Frequency = 1585 MHz)

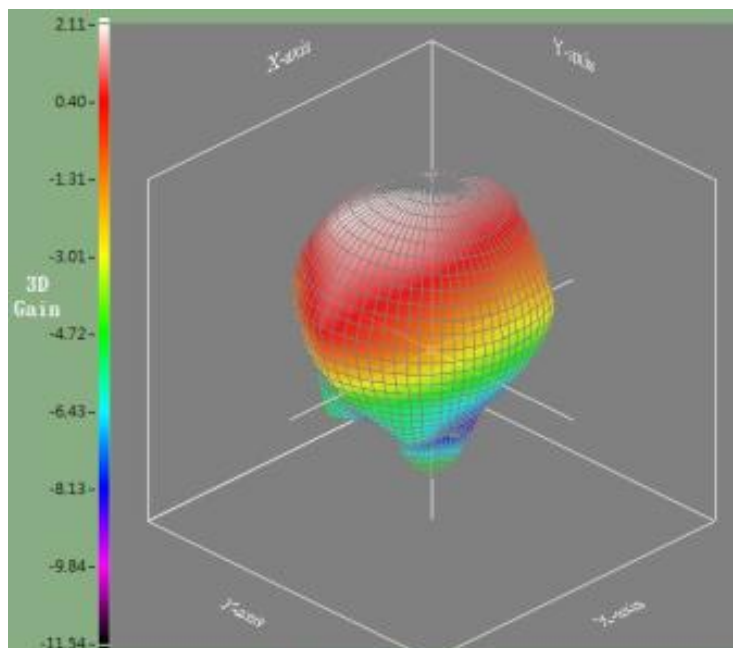


Fig 7 Radiation Pattern (Frequency = 1602 MHz)

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REVISION HISTORY

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

Mouser Electronics

Authorized Distributor

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