

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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Description: 25254 GPS&GLONASS Patch Antenna

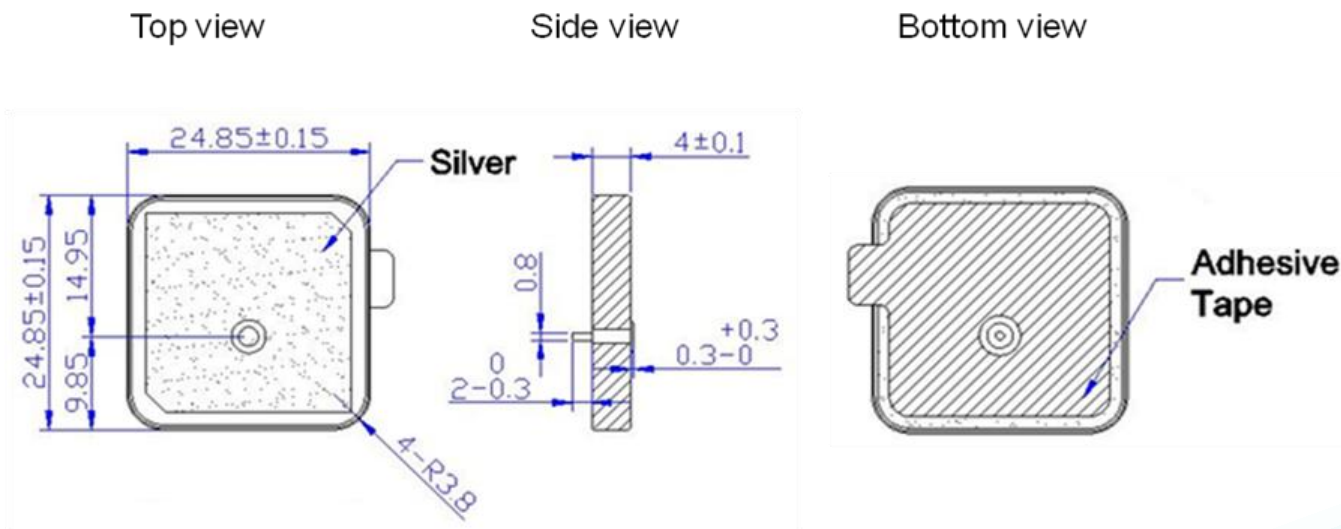
PART NUMBER: ANT2525B00FT1516S

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



Unit : mm

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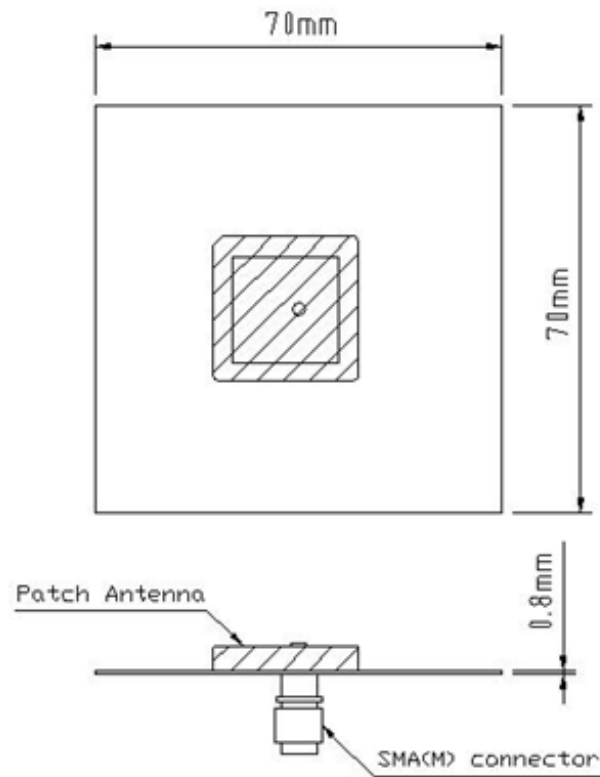
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REFERENCE DESIGN OF EVALUATION BOARD



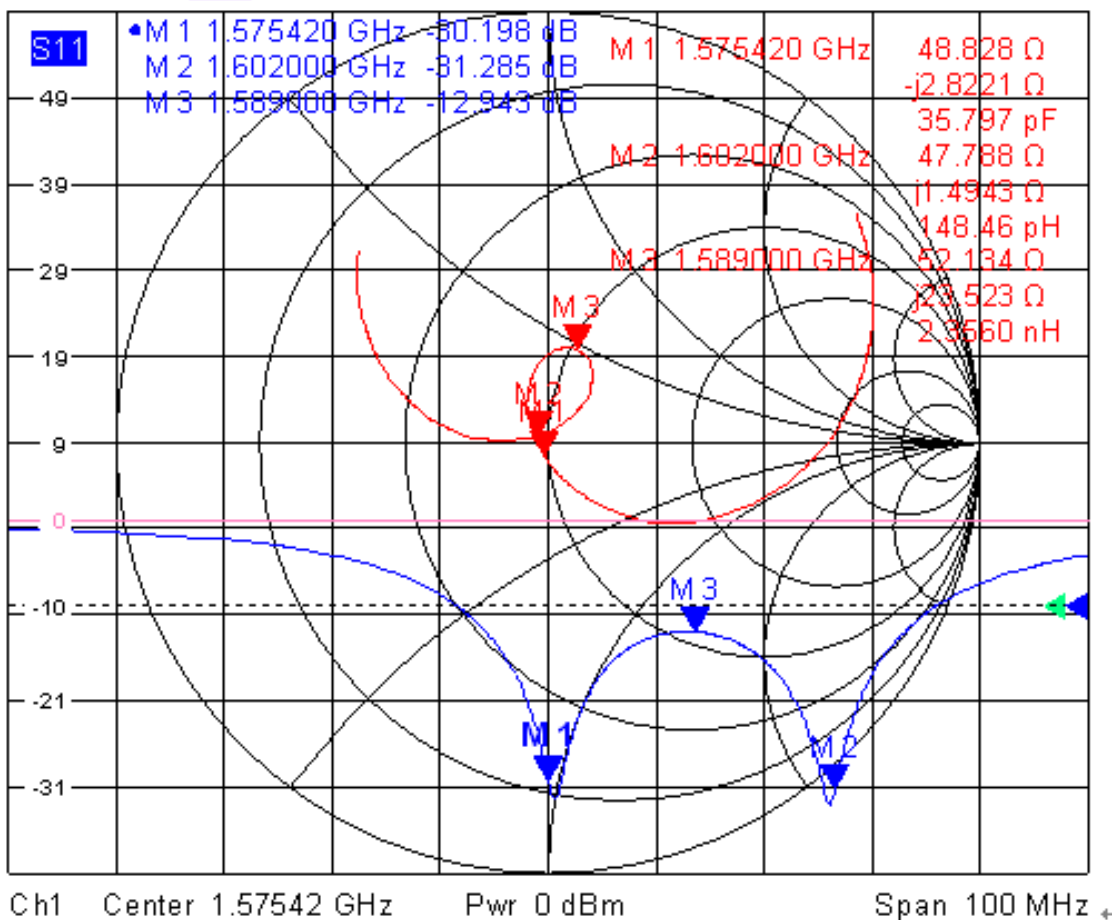
Evaluation Board

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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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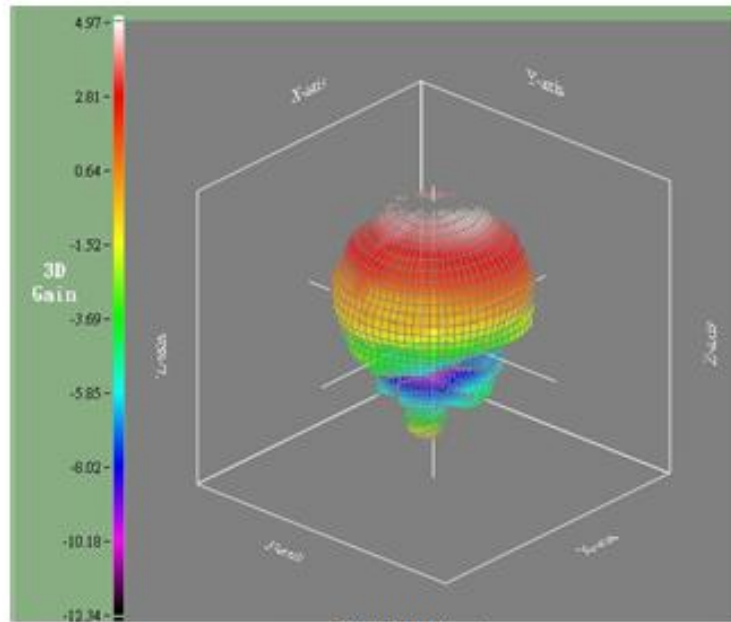
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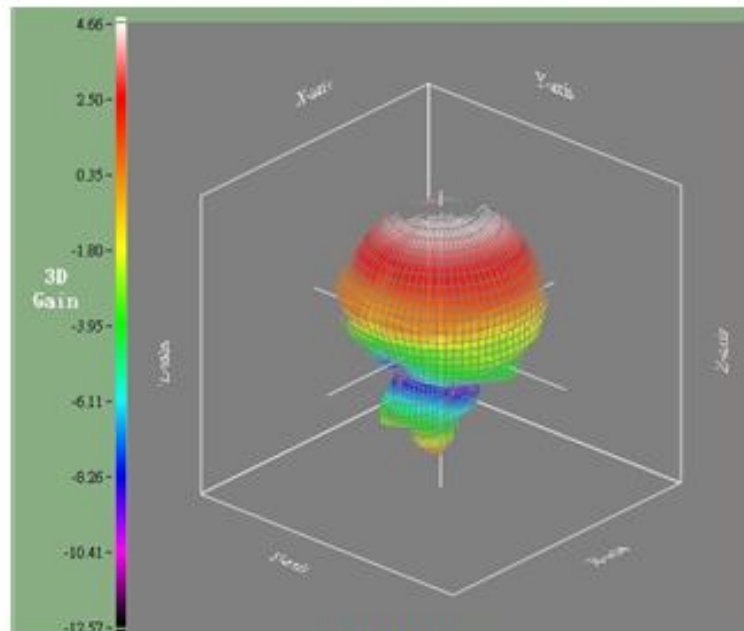
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ELECTRICAL PERFORMANCES



1575MHz

Radiation Pattern (Frequency = 1575MHz)



1602MHz

Radiation Pattern (Frequency = 1602MHz)

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