

Description: 35354 GNSS Patch Antenna

PART NUMBER: ANT3535B001TGNSSA



Features:

Size: 35x35x4mm

- · High radiation efficiency
- GNSS band
- · Pin-solder process
- RoHS compliant

Applications:

- GPS system
- · Navigation device
- Telematics box
- · Fleet management

All dimensions are in mm / inches

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

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For more information:



Working Frequency

Gain(Peak)

Gain(Average)

TECHNICAL DATA SHEET

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ELECTRICAL SPECIFICATIONS

BEIDOU: 1561 MHz

GPS: 1575 MHz

GLONASS: 1602 MHz

BEIDOU 1561MHz: 5.4 dBic

GPS 1575MHz: 5.5 dBic

GLONASS 1602MHz: 5.5 dBic

BEIDOU 1561MHz: -0.68 dB

GPS 1575MHz: -0.51 dB

GLONASS 1602MHz: -0.60 dB

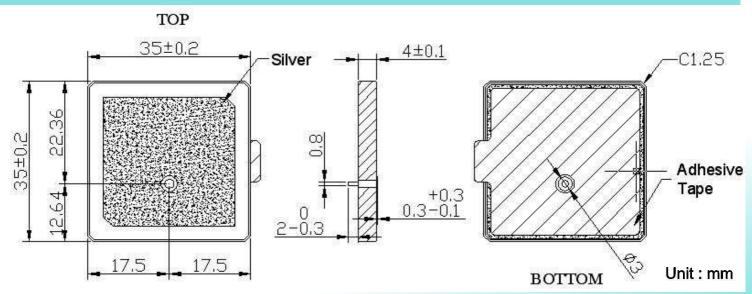
Polarization RHCP

Axial Ratio \leq 13 dB **Impedance** 50 Ω

Operating Temperature - 40 ~ 85 °C

- 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.

MECHANICAL DRAWING



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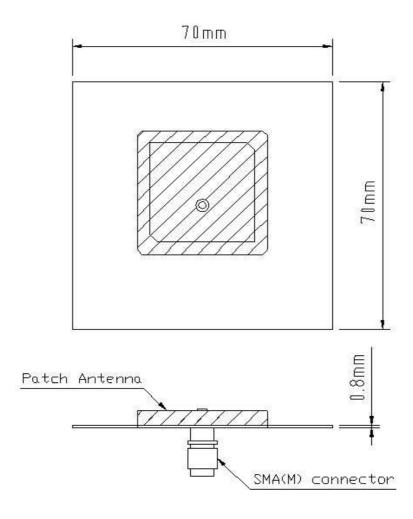
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REFERENCE DESIGN OF EVALUATION BOARD



Ground Plane Size: 70x70 mm²

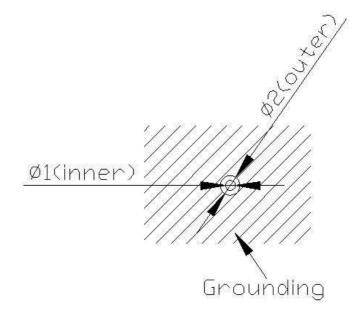


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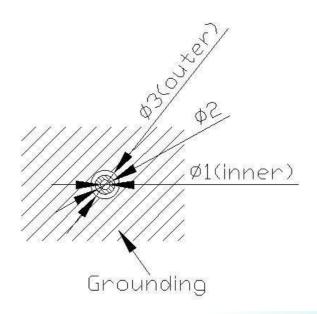
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FOOTPRINT

Top View



Bottom View

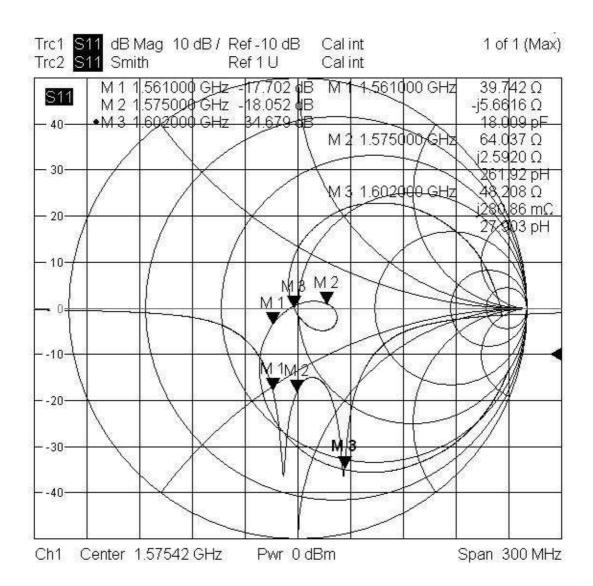




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RETURN LOSS

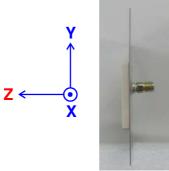


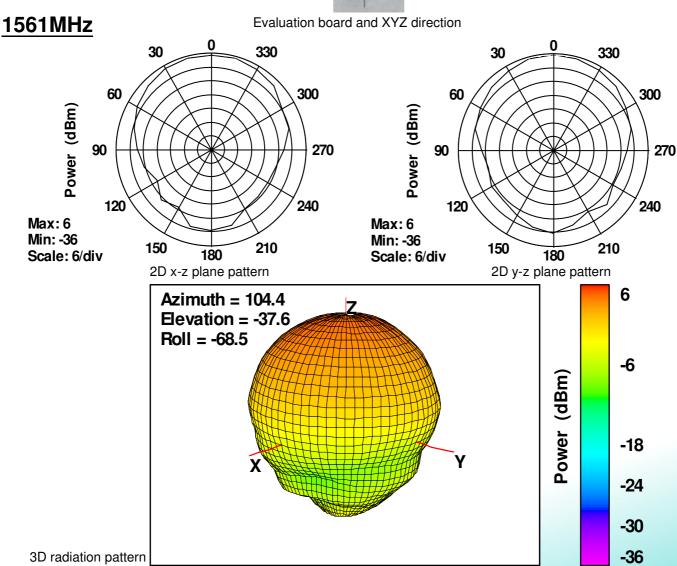


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RADIATION PATTERN





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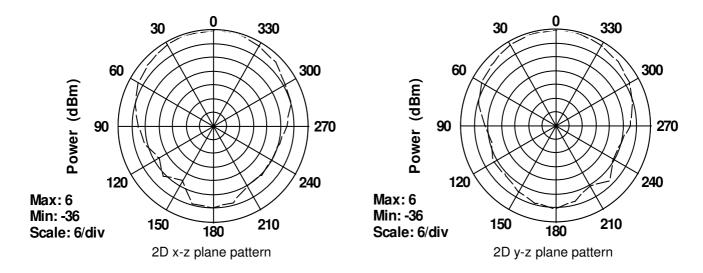


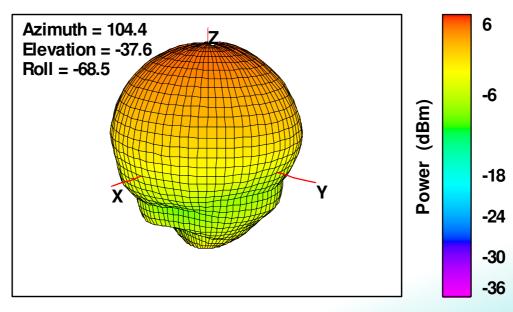
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RADIATION PATTERN

1575MHz





3D radiation pattern

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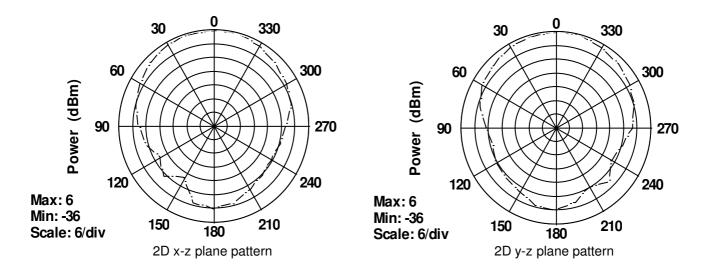


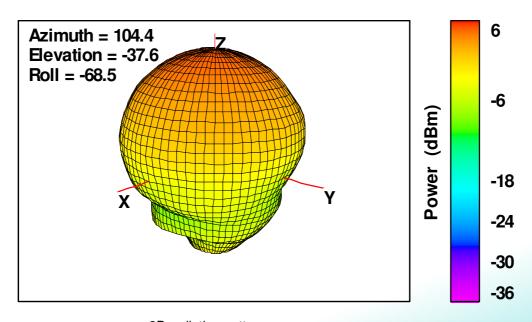
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RADIATION PATTERN

1602MHz





3D radiation pattern



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		REVISION HISTORY	
Revision	Date	Description	
Version 1	May. 28, 2021	- New issue	·