

Description: PIN 18x18x2 GPS Patch Antenna

PART NUMBER: ANT1818B00ET1575S

Features:

- Size: 18.0x18.0x2.0 mm
- High radiation efficiency
- Pin-solder process
- RoHS compliant

Applications:

- · Navigation device
- Telematics box
- Fleet management

ELECTRICAL SPECIFICATIONS

Description VALUE

Dimension $18.0 \times 18.0 \times 2.0 \text{ mm}^3$ Centre Frequency $1580 \pm 3 \text{ MHz}$ Bandwidth8 MHz (Typ.)

 Gain
 3.0 dBic (Typ.)

 VSWR
 1.5 Max.

Polarization Right Hand Circular Polarization

Axis Ratio $\leq 3 \, dB$

Beam Width > 120 degrees

Impedance 50Ω Operating Temperature $-40 \sim 105 \, ^{\circ}\text{C}$

NOTE

1. Based on 50×50 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.

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

RŏHS

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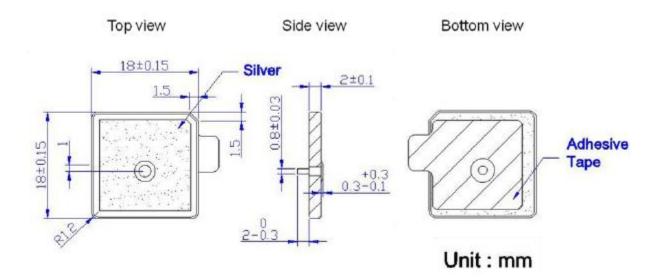
Tel:1-858-674-8100



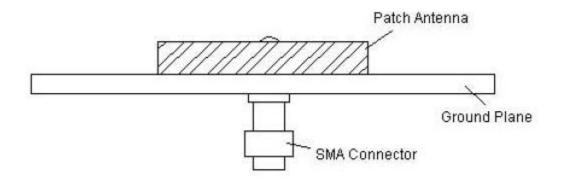
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Mechanical Data



Ground Plane Size: 50*50 mm2

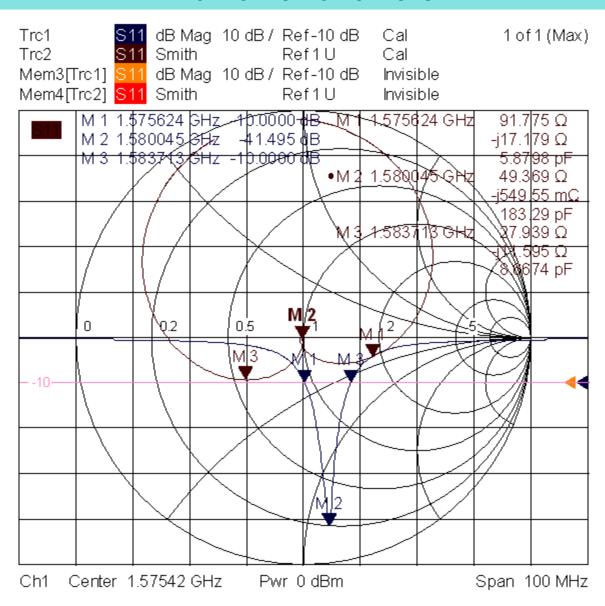
Evaluation Board



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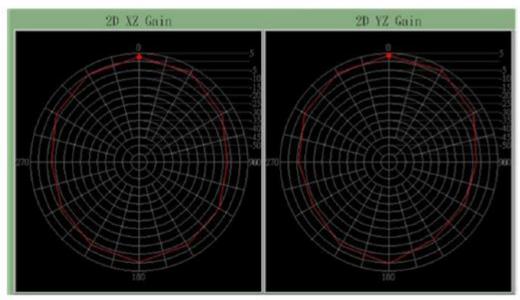
Return loss



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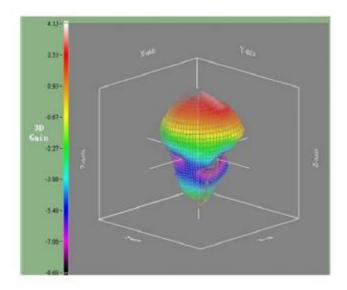
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ELECTRICAL SPECIFICATIONS



2D x-z plane pattern

2D y-z plane pattern



Return los:

3D radiation pattern



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		REVISION HISTORY	
Revision	Date	Description	
Version 1	Nov. 25, 2020	- New issue	