

# DATA SHEET

## WIRELESS COMPONENTS

Ceramic Patch Antenna

ANT2525B00DT1575S

GPS

PIN 25x25x4 mm



FEATURES

- High radiation efficiency
- Pin-solder process
- RoHS compliant

APPLICATIONS

- Navigation device
- Telematics box
- Fleet management

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

**PART NUMBER**

**ANT 2525 B 00D T 1575S**  
 (1) (2) (3) (4) (5) (6)

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(1) PRODUCT

ANT = Antenna

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(2) SIZE

2525=25x25 mm

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(3) ANTENNA TYPE

B = Bulk Antenna

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(4) SERIAL NO.

00D

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(5) PACKING STYLE

T = Tray

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(6) WORKING FREQUENCY

1575= 1.575 GHz

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PHYCOMP CTC

CAN43934250D1581B

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I2NC

43934250D158

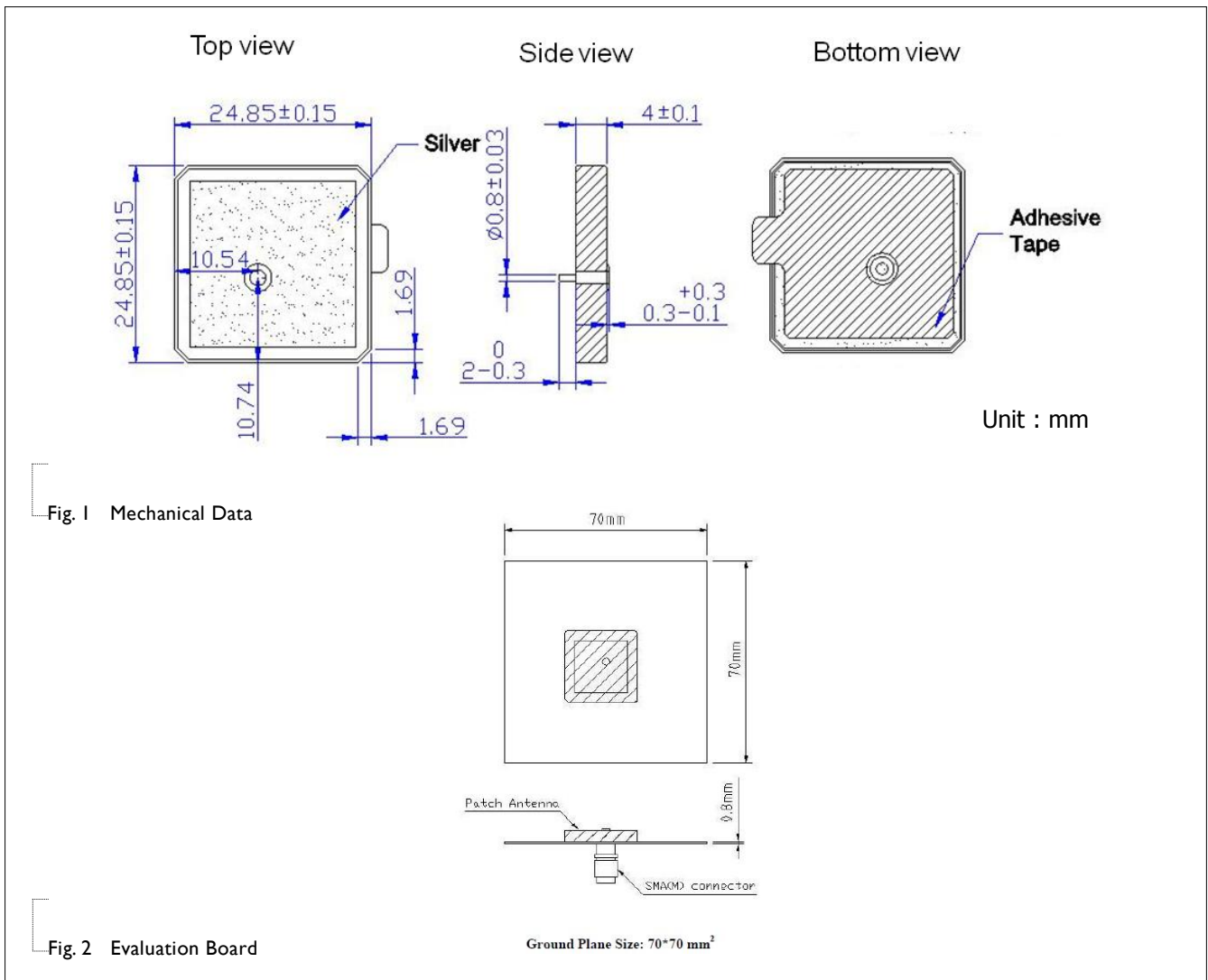
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**SPECIFICATION**

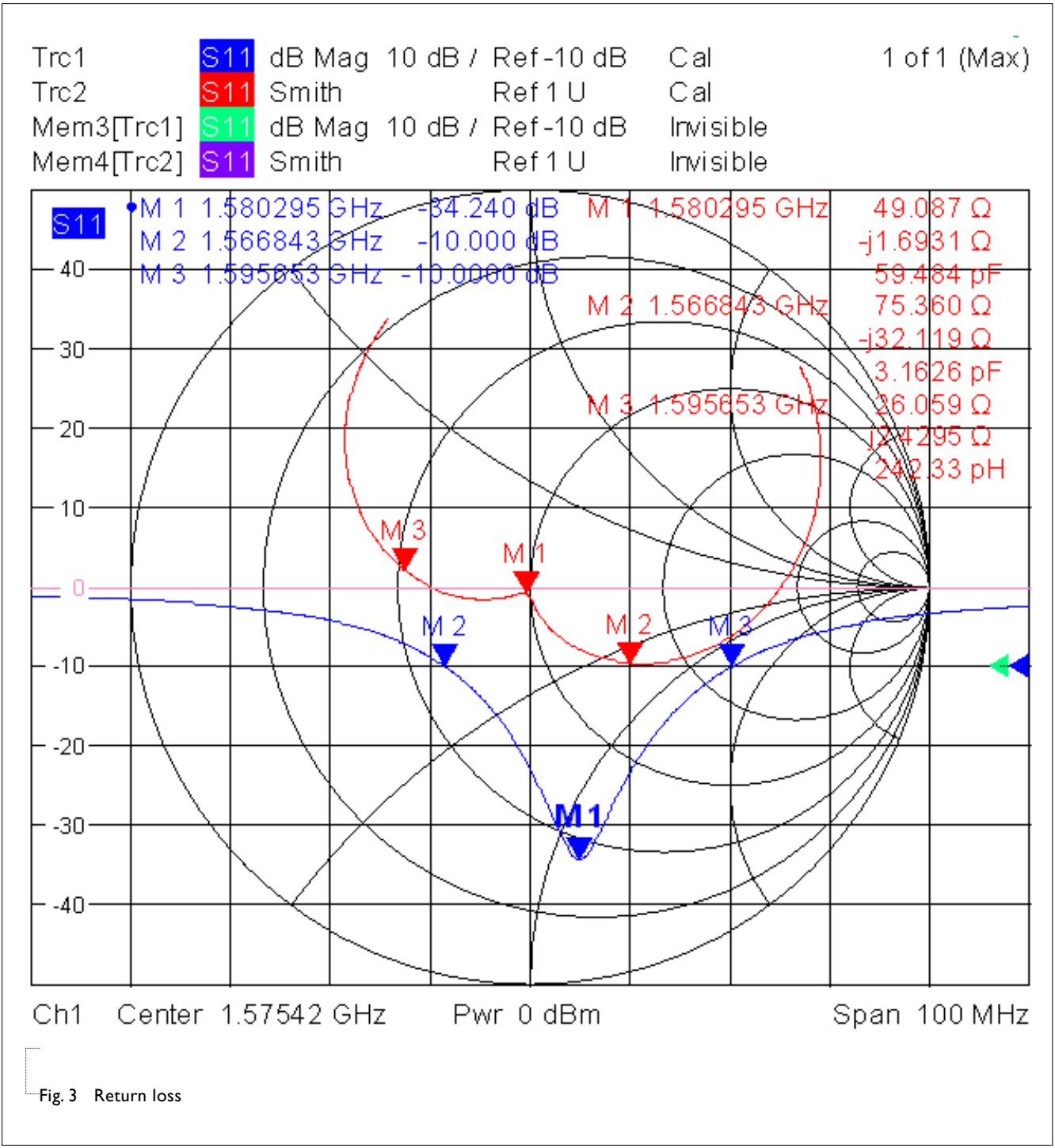
DESCRIPTION	VALUE
Centre Frequency	1580 ± 3MHz
Bandwidth	16 MHz (Typ.)
Gain	5 dBic (Typ.)
VSWR	1.5 Max..
Polarization	Right Hand Circular Polarization
Axis Ratio	≅ 3 dB
Beam Width	> 120 degrees
Impedance	50Ω
Operating Temperature	-40~105 °C

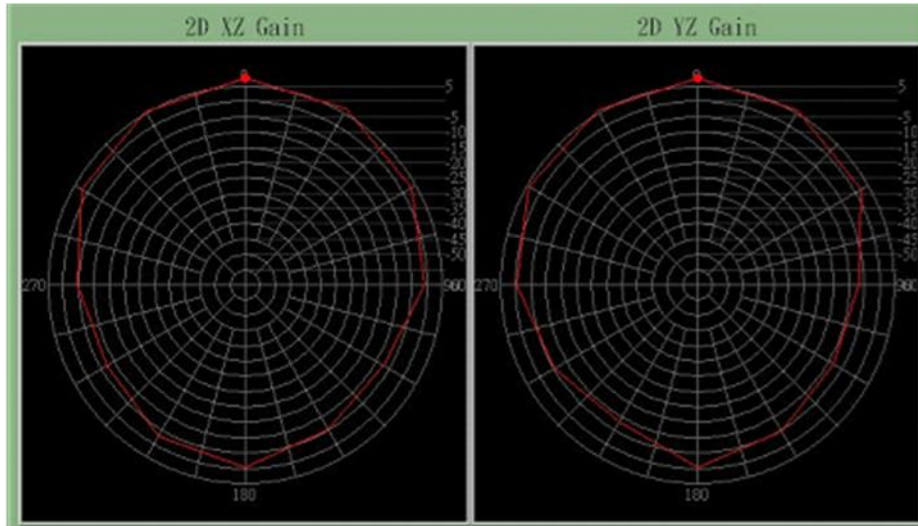
**NOTE**

1. Based on 70×70 mm<sup>2</sup> 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.

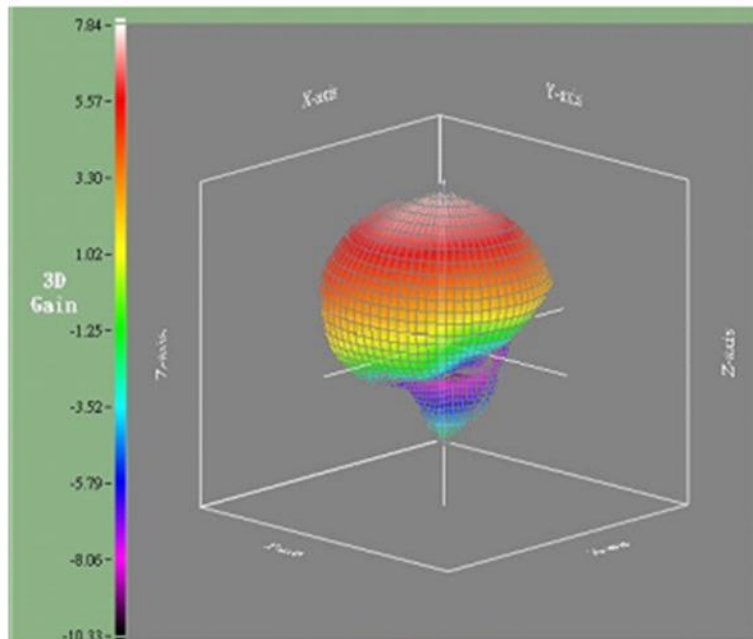


**ELECTRICAL PERFORMANCES**





2D x-z plane pattern    2D y-z plane pattern



**3D radiation pattern**

Fig. 4 Radiation Pattern (Frequency = 1580MHz)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
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Version 0	Dec. 29, 2014	-	- New data sheet for Patch antenna, PIN Feed size 25×25×4 mm
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