

# PA1575MQ4S-125-1Z

## Engineering Specification

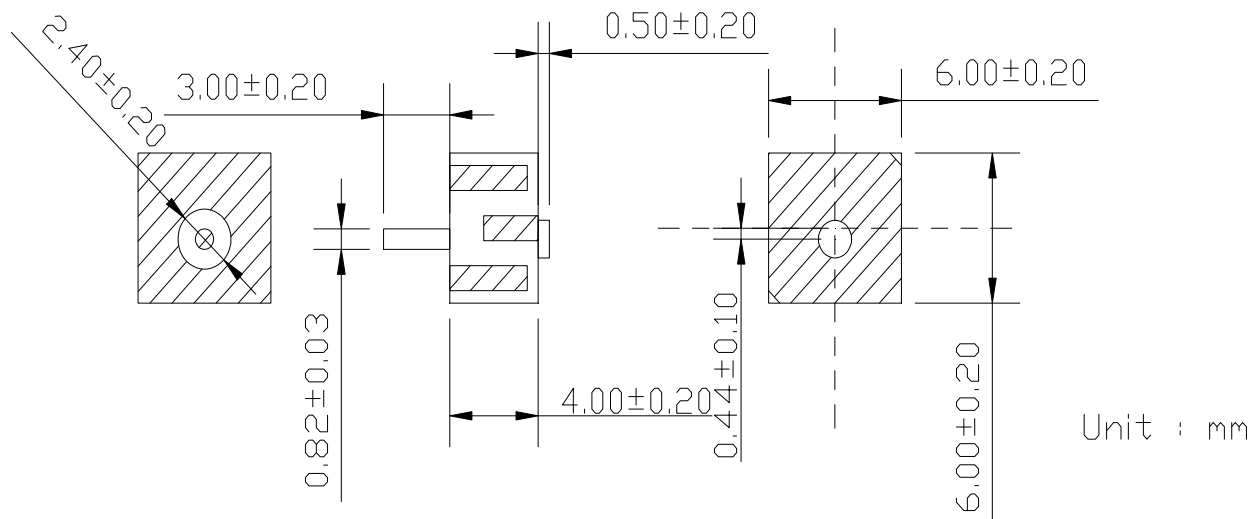
### 1. Typical Electrical Properties by Test on 20x20 mm Ground Plane

Characteristics	Specification	Unit	Conditions
Patch Center Frequency	1575.42 ± 3	MHz	By 20x20 mm Ground Plane
S11	≤ -10	dB	By 20x20 mm Ground Plane
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

PA1575MQ4S-125-1Z ,

-125 are the code of project number, -1Z show of appendix

### 2. Dimension



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=±      X.X=±      X.XX=±

ANGLES=±      HOLEDIA=±



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SCALE :

UNIT : mm

DRAWN BY: 郭芳君

CHECKED BY: 馬敏勝

DESIGNED BY: 鄭大福

APPROVED BY: 曾源標

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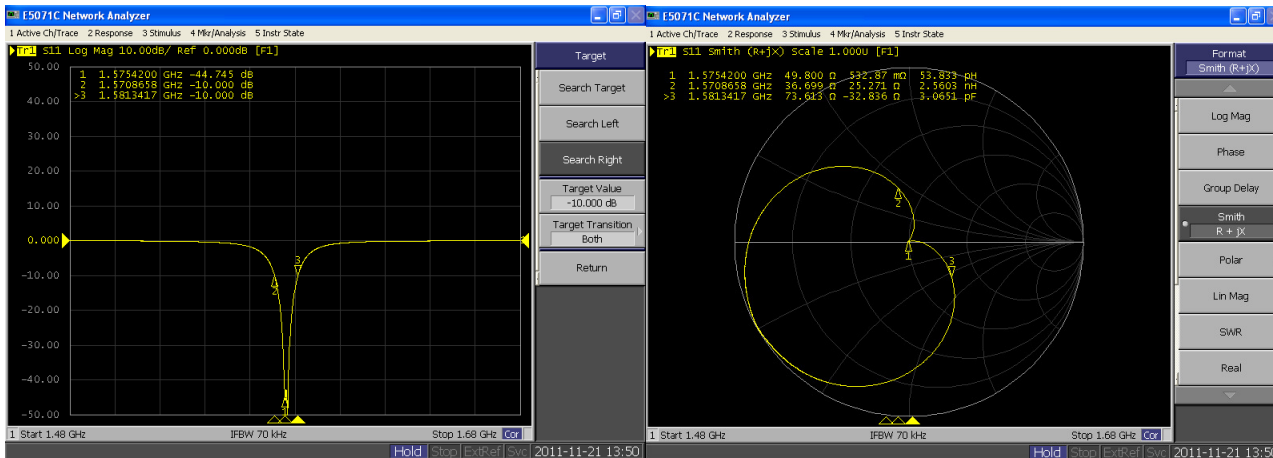
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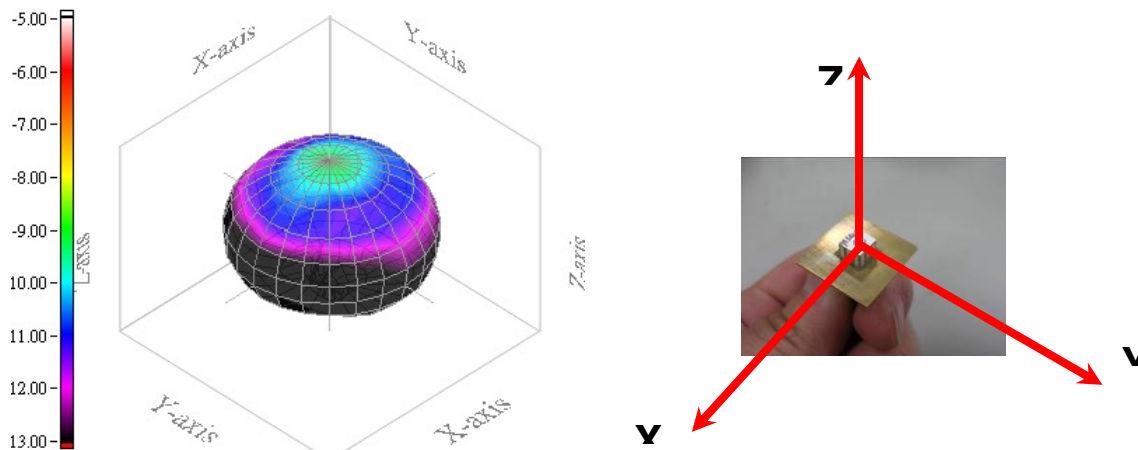
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### 3. Patch Antenna Performance and Characteristic Data on 20x20 mm Ground Plane

#### 3.1 Smith Chart/Return Loss



#### 3.2 3D Gain Pattern (Unit : dBic)



UNLESS OTHER SPECIFIED TOLERANCES ON :	
X=±	X.X=±      X.XX=±
ANGLES=±	HOLEDIA=±
SCALE :	UNIT : mm
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### 4. Explanation of Appendix

1 5 7 5 M Q 4 S - 1 2 5 - 1 Z  
 (1) (2)

(1) Pin = 3 mm

(2) Adhesive Tape **Z** 5x5 mm

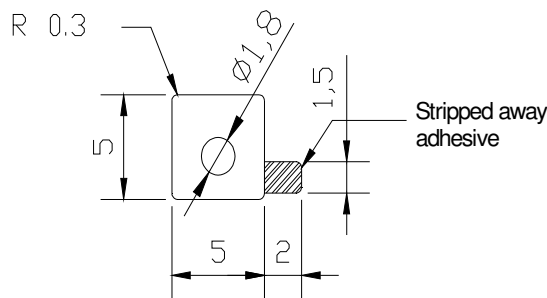
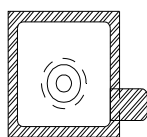
Adhesive Transfer Tape Specification

2.1 TAPE : 3M 5x5x0.16 mm

2.2 Thickness : 0.16 mm

2.3 Release Liner : 0.1mm (typ.) printed paper or paper

2.4 Dimension : mm



Tolerance: ± 0.2

UNLESS OTHER SPECIFIED TOLERANCES ON :  
 X=±            X.X=±            X.XX=±  
 ANGLES=±            HOLEDIA=±



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