

PA1590MI6G-126-1ZM

ENGINEERING SPECIFICATION

1. Typical Electrical Properties

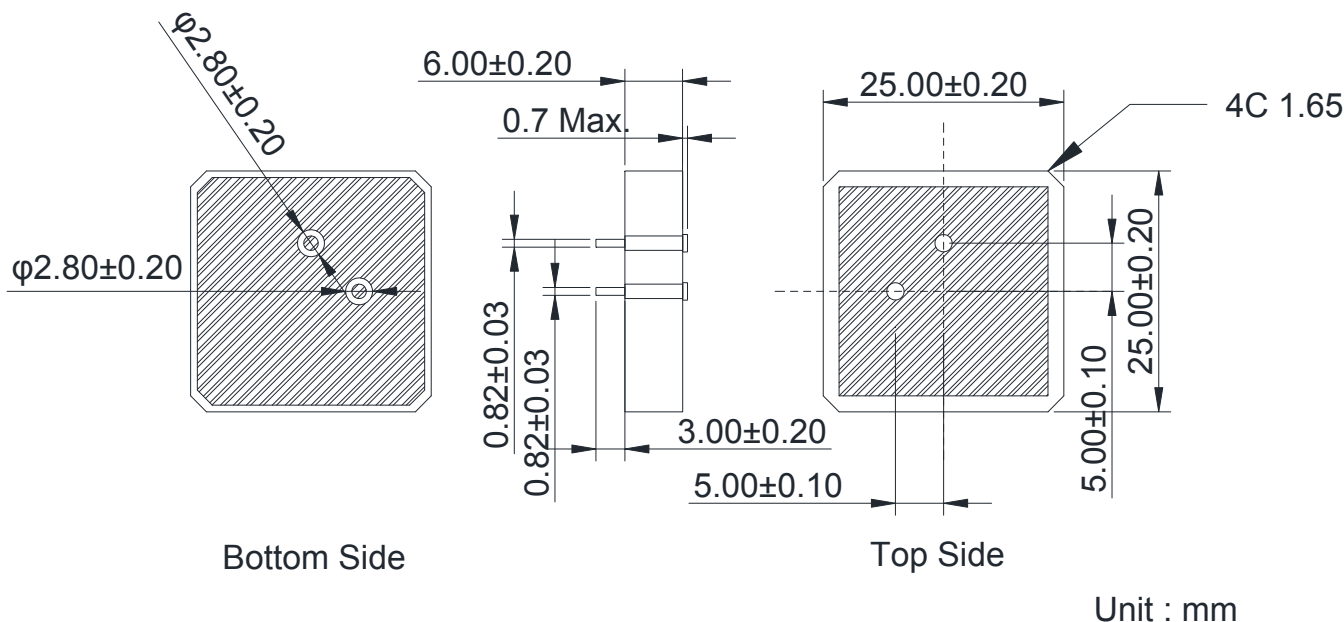
Characteristics	Specification	Unit	Conditions
Port 1	1593± 2	MHz	with 70mm Square ground plane
Port 2	1593± 2	MHz	with 70mm Square ground plane
S11	≤ -20	dB	with 70mm Square ground plane
Polarization	Dual Feed		Each axis is linear and independent
Frequency Temperature Coefficient	0±20	ppm/oC	-40oC to +85oC

Note : (1) Patch Antenna is Located on 70 mm Square ground plane

PA1590MI6G-126-1ZM , G : Green parts (RoHS compliance)

-126 are the code of project number, -1ZM show of appendix

2. Dimension



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : UNIT : mm

DRAWN BY: 詹雅萍 CHECKED BY: 鄭大福

DESIGNED BY: 李守仁 APPROVED BY: 曾源標

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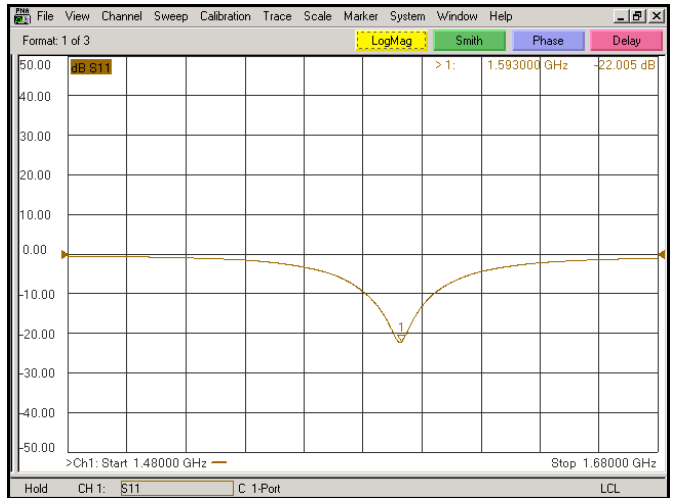
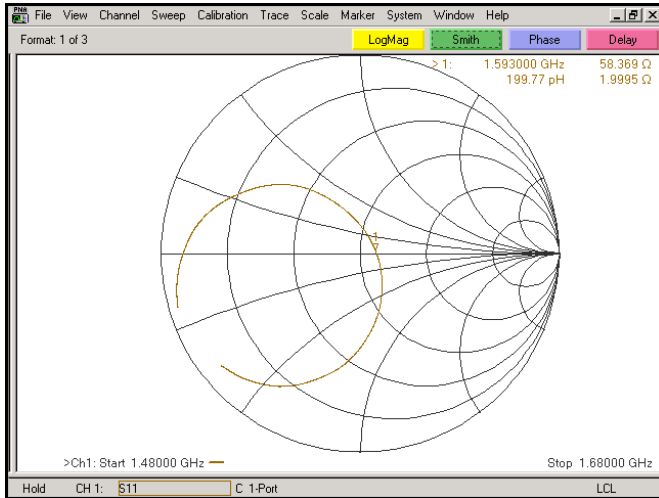
TITLE : PA1590MI6G-126-1ZM
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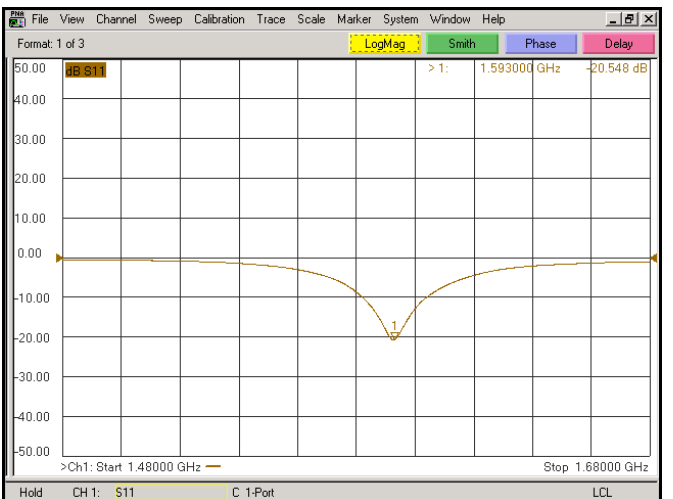
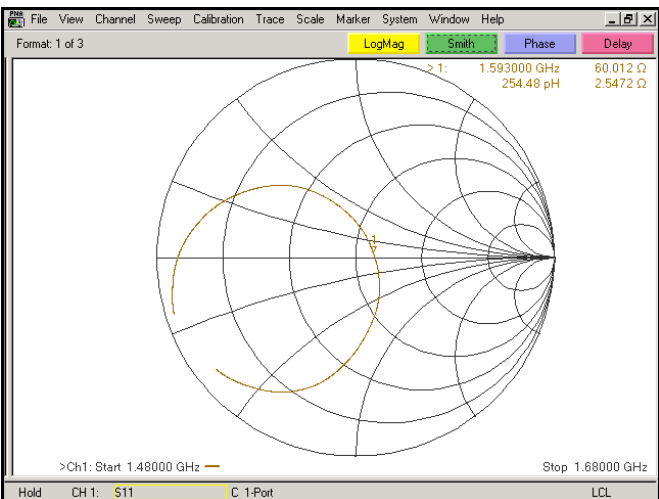
SPEC REV.
P1

3. Patch-V0 Antenna Performance and Characteristic Data on 70 mm Square ground plane

3.1 Smith Chart/Return Loss



Port 1



Port 2

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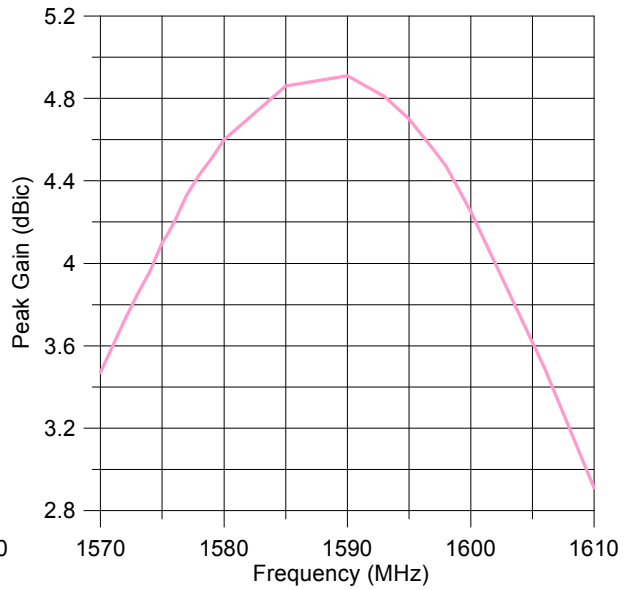
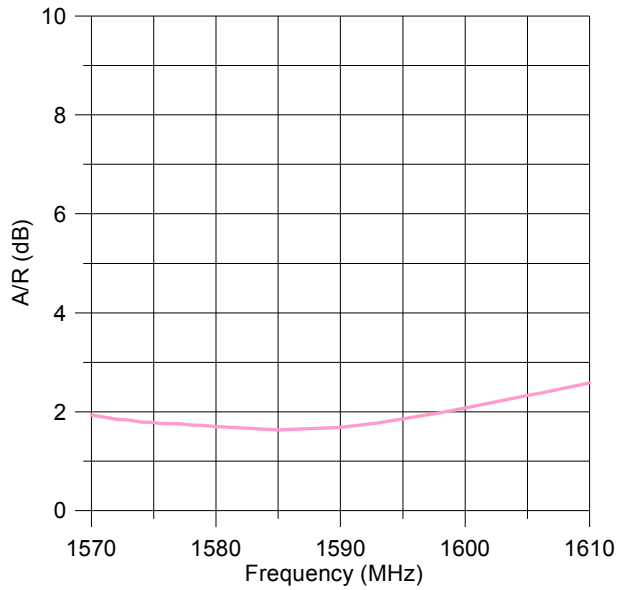


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6.2 Zenith Axial Ratio/ Zenith Gain



7. Explanation of Appendix

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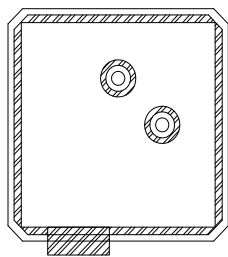
(1)(2)(3)

(1) 1 = 3 mm Pin Length

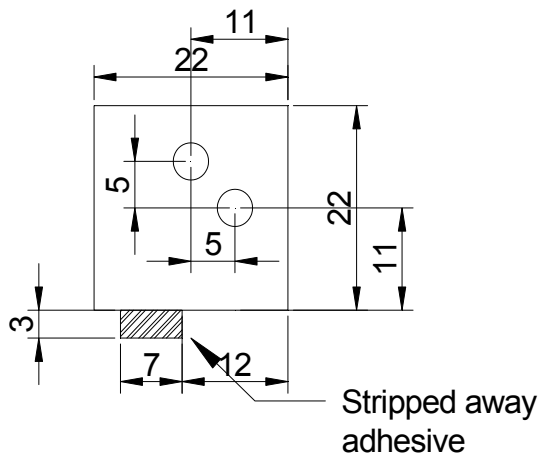
(2) Adhesive Tape **Z** 22x22mm

Adhesive Transfer Tape Specification

- 2.1 TAPE : Nitto 5000NS 22x22x0.16mm
- 2.2 Thickness : 0.16 mm
- 2.3 Release Liner : 0.1mm (typ.) printed paper or paper
- 2.4 Dimension : mm




Patch Bottom




Tolerance: ±0.5 mm

Stripped away adhesive

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HOLEDIA=±		
SCALE :	UNIT : mm	
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(3) Option appendix M **Marking**

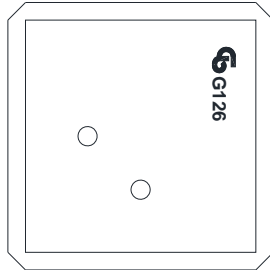
Marking configuration

3.1 Logo  for INPAQ Logo


3.2 Type G for green product antenna

3.3 Three digits are the code of our project number

126



Patch top electrode

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