

PA1590MI4G-316-FZM

Engineering Specification

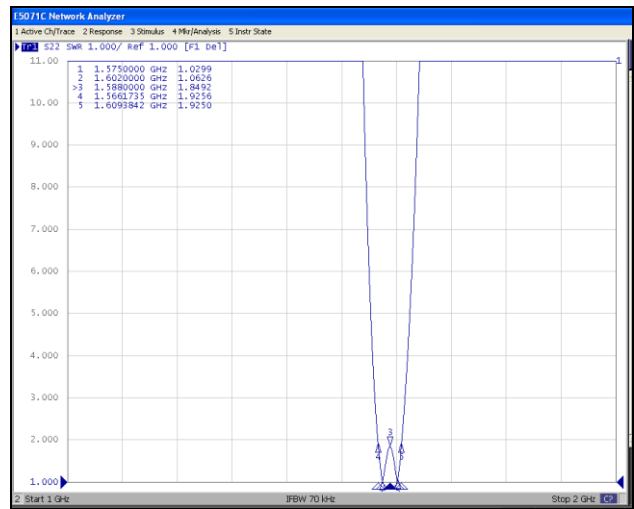
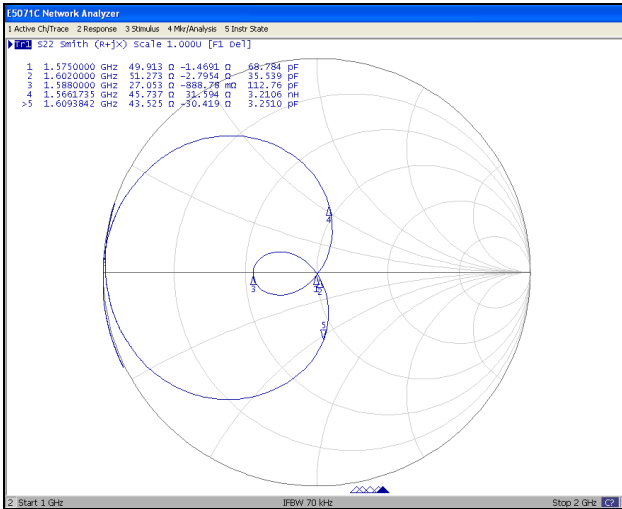
1. Electrical Properties

Characteristics	Specification	Unit	Conditions
Cusp Frequency	1588.0± 4	MHz	with adhesive with paper liner
Cusp Size	24 to 29	MHz	
VSWR	Max 2.0		
Gain at Zenith	3.5(typ)	dBic	
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +105°C

Note : (1) Patch Antenna is Located on 70x70 mm Ground
 PA1590MI4G-316-FZM, G : Green parts (RoHS compliance)
 -316 are the code of project number, -FZM show of appendix

2. Patch Antenna Performance and Characteristic Data Test on 70x70 ground

2.1 Smith Chart & VSWR



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±

SCALE : UNIT : mm

DRAWN BY: 王瑞娟 CHECKED BY: 馬敏勝

DESIGNED BY: 賴右城 APPROVED BY: 李守仁

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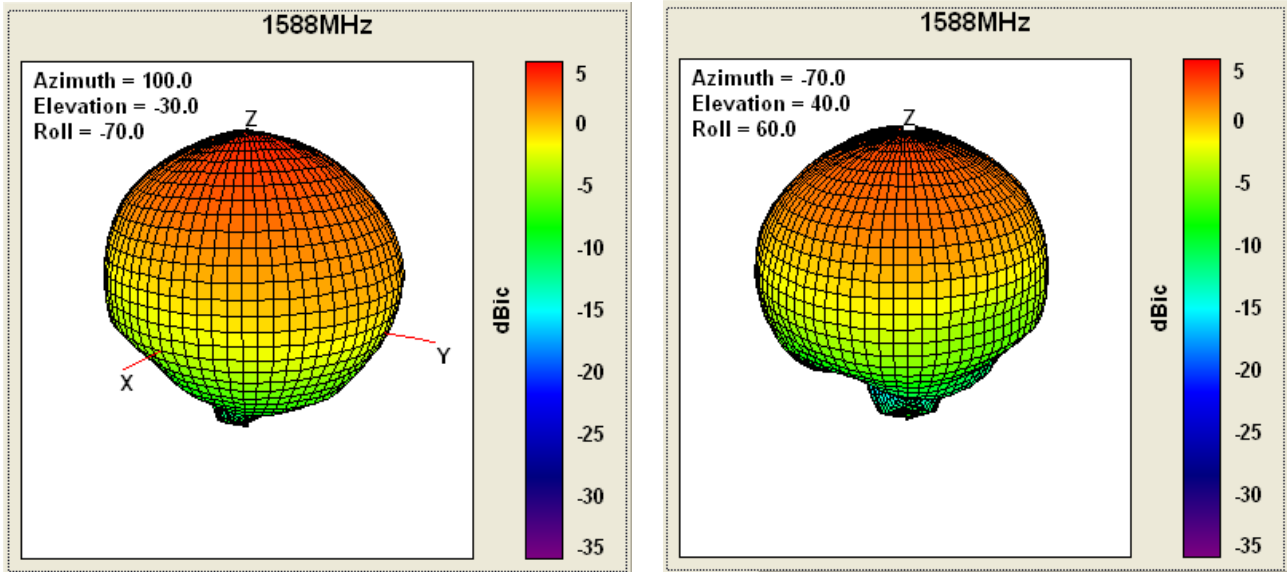


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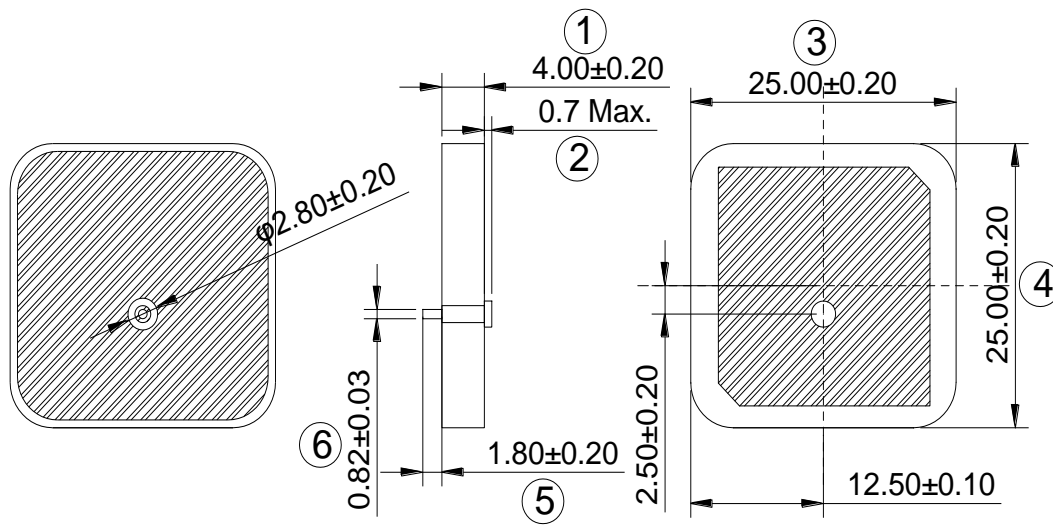
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2.2 3D Gain Pattern



3. Dimension




Bottom

Top

Unit: mm

Note: These 1~6 Balloons are important dimension, the others are reference dimension.

4. Peel Test : Pin thrust is greater than 6 Kgf

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HOLEDIA=±		
SCALE :	UNIT : mm	DOCUMENT NO. ENS000103260
DRAWN BY: 王瑞娟	CHECKED BY: 馬敏勝	
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5. Explanation of Appendix

PA1590MI4G-316-FZM

(1)(2)(3)

(1) F = 1.8 mm pin length

(2) Adhesive Tape **Z** TAP, 3M467MP, 22*22*0.05mm

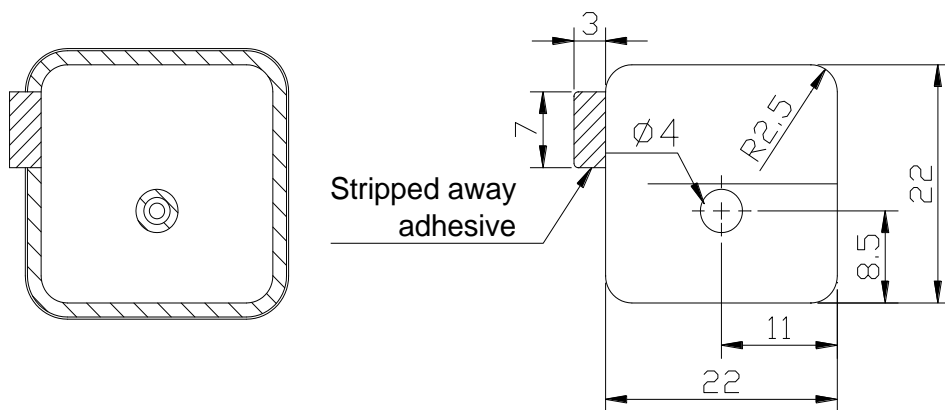
Adhesive Transfer Tape Specification

2.1 TAPE : TAP, 3M467MP, 22*22*0.05mm

2.2 Thickness : 0.05mm

2.3 Release Liner : 0.1mm(typ.) printed release film

2.4 Dimension : mm



Tolerance : $\pm 0.2\text{mm}$

Unit : mm

(3) Option appendix **M** Marking

Marking configuration

3.1 Logo **G** for INPAQ Logo

3.2 Type **G** for green product antenna

3.3 Three digits **316** are the code of our project number



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