

ACA-8560-A1-MC-S SPEC

1. APPLICATION:

Wireless LAN ,ISM band 2.4GHz

2. Explanation of part number:

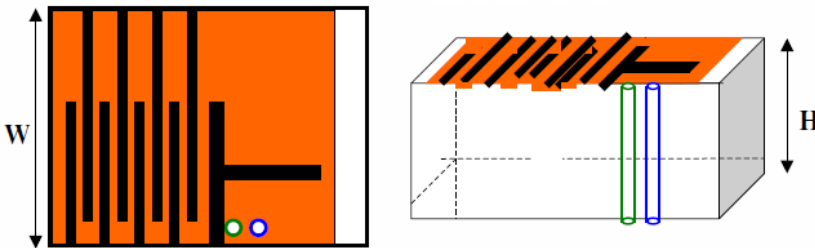
$\frac{AC}{(1)}$ $\frac{A}{(2)}$ - $\frac{8560}{(3)}$ $\frac{A1}{(4)}$ - $\frac{MC}{(5)}$ - $\frac{S}{(6)}$

- (1) Product type: Chip Antenna
- (2) Center Frequency/Band code: A-2.4GHz
- (3) Size code: 8.5mmX6.0mmX3.0mm
- (4) Appearance Type code: A1= Appearance Type 1
- (5) Series no.: =MONOPOLE Ceramics Type
- (6) Special Code: S= RoHS Compliant

3. Electrical Specification:

Electrical Specification	
Frequency range	2.4GHz~2.5GHz
Polarization	Linear
Patten	Omni-Directional
Reef impedance	50 ohm
Gain	0.5 dBi (Peak)
Size	8.5mmx6.0mmx3.0mm

4. Dimensions:



Mark	L	W	H
Dimensions	8.5±0.5	6.0±0.5	3±0.3

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : xxxxx

UNIT : mm

DRAWN BY: 薛慧敏

CHECKED BY: 楊奇峯

DESIGNED BY: 陳家賢

APPROVED BY: 洪彥銘

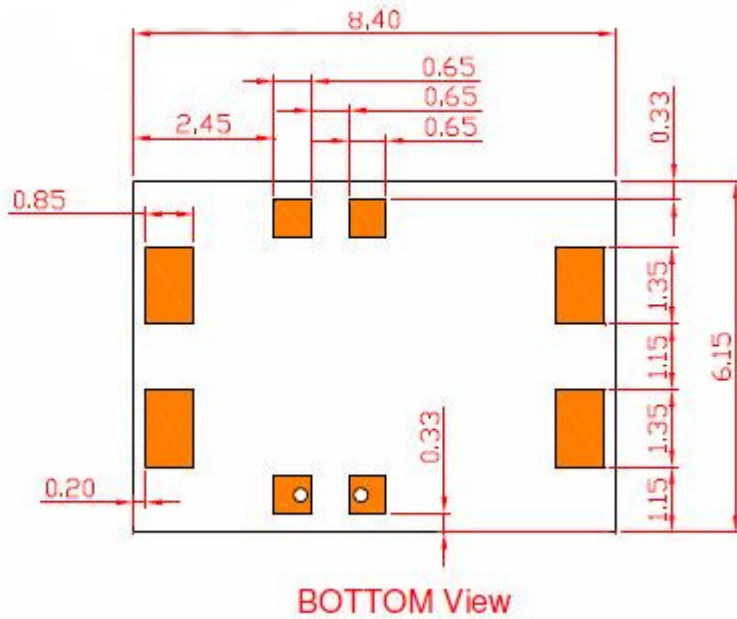
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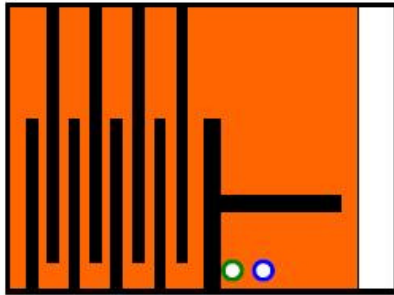
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5. Recommended PCB Layout: (unit: mm)

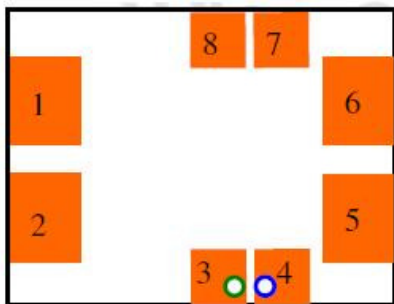


6. Terminal Configuration properties:

Top Layer :



Bottom Layer :



7. ELECTRICAL CHARACTERISTICS

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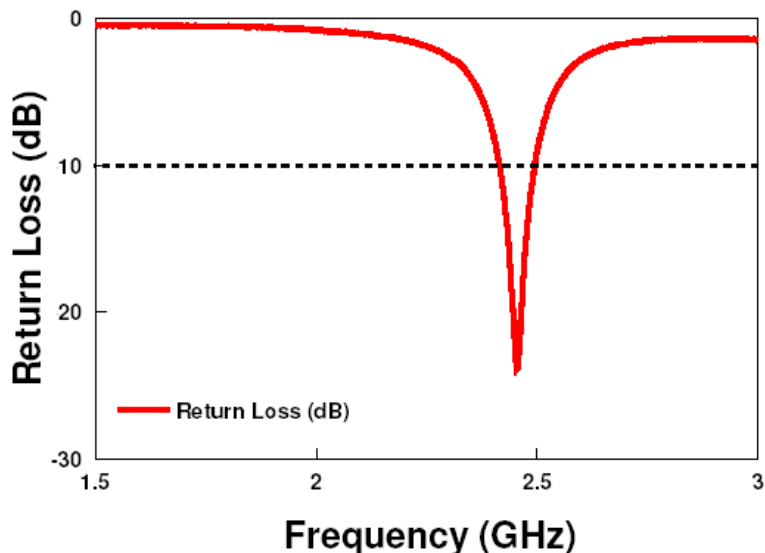
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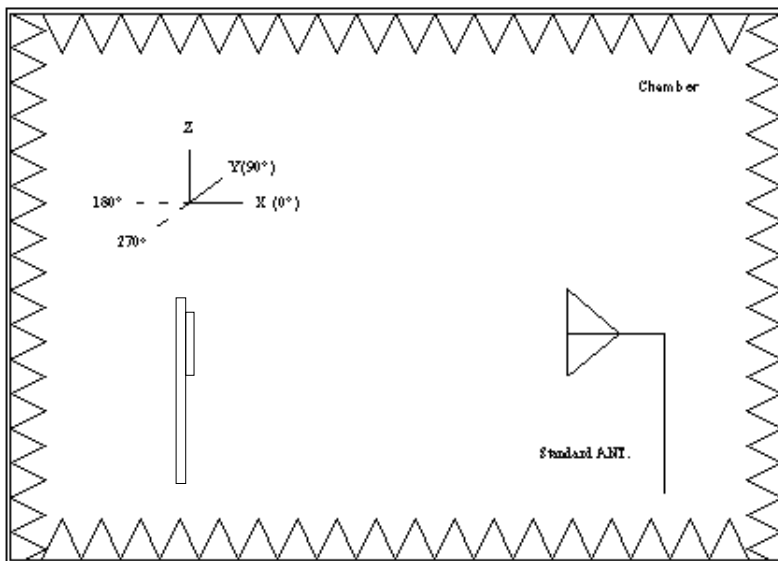
Return Loss



8. RADIATION PATTERN

The Gain pattern was measuring in INPAQ’s FAR-field chamber . DUT will be placed on the table of rotator , a standard horn antenna and Vector Network Analyzer was using to collected data. (Please contact to INPAQ for more detail)

- Measuring factors definition



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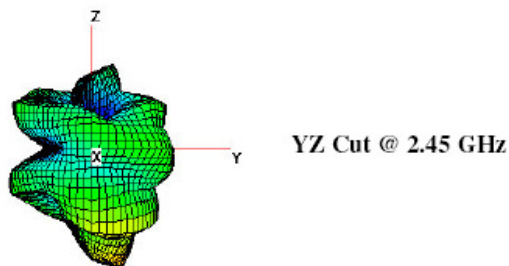
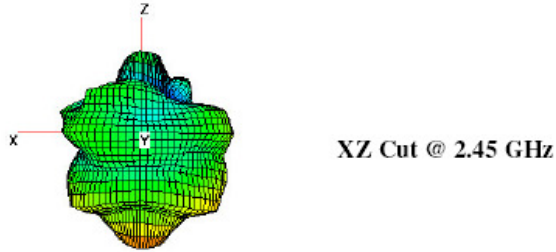
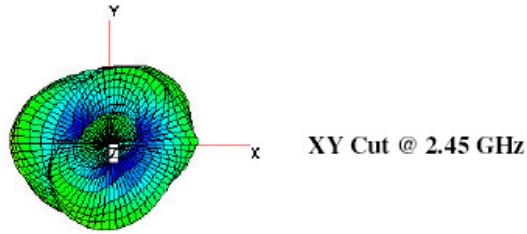
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9. Environmental characteristics:

The reliability test items will be measured only when our customer asked.

NO	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage	1. Temperature : $+65\pm 2^{\circ}\text{C}$. 2. Humidity : 90~95%RH 3. Time : 48hrs	Normal functional test must be satisfied after the test. No material deformation is allowed.
4-2	Low Temperature/Humidity Storage	1. Temperature : $-10\pm 2^{\circ}\text{C}$. 2. Humidity : 0% RH 3. Time : 48hrs	
4-3	Temperature Cycle Test	1. Temperature : $-10\sim +65^{\circ}\text{C}$ 2. Duration : ● 24 Cycles, ● 45min/dwelling@ -10°C , ● 10°C per min./transition from -10°C to 65°C , ● 45min/dwelling@ 65°C ,	
4-4	Temperature Shock Test	1. Temperature : $-10\pm^{\circ}\text{C}\sim +65^{\circ}\text{C}$. 2. Time : 60 minutes/dwelling, 20 minutes/ transition, 24 cycles	

10. Packaging

UNLESS OTHER SPECIFIED TOLERANCES ON :

$X=\pm$ $X.X=\pm$ $X.XX=$
ANGLES = \pm **HOLEDIA** = \pm



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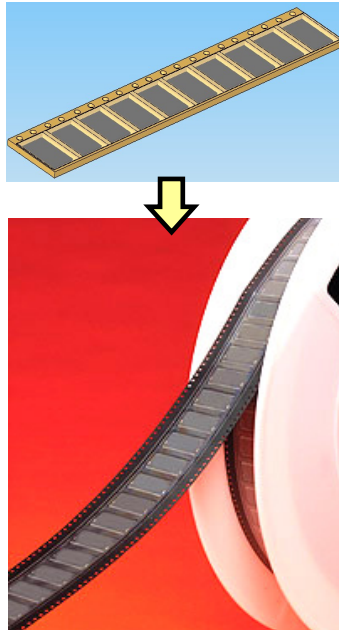
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- Taping Quantity: 500pcs/Reel
- Antenna to be packed in carrier tape tray.



Carrier tape tray

- 零件儲存條件&有效期限: 真空包裝後溫度 $<30^{\circ}\text{C}$ ，可存放 3 個月 (如下圖所示)
儲存溫度: $25^{\circ}\text{C} \pm 3$ ，操作溫度: $-20\sim 85^{\circ}\text{C}$
- 開封後管控條件&時間: 溫度 $\leq 30^{\circ}\text{C}$ ，濕度 $\leq 75\%RH$ ，拆封後應立即進行生產，一次拆封以放滿一個 Magazine 為基準，第一面生產完成後須於 24 小時內完成第二面生產，且必須在貼件後 36H 內完成波峰焊組裝



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