承　　認　　書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER	：	
客戶料號 CUSTOMER'S P/N	：	
料號 PART NUMBER	：	WAN7030DD27H06
規格 DESCRIPTION	：	Chip Antenna 7030 M-Ant 2.45G +5G +7G Type H06
版本 VERSION	：	V1.0
日期 ISSUE DATE	：	2021/03/03

lead-free

RoHS compliant

萬誠科技股份有限公司

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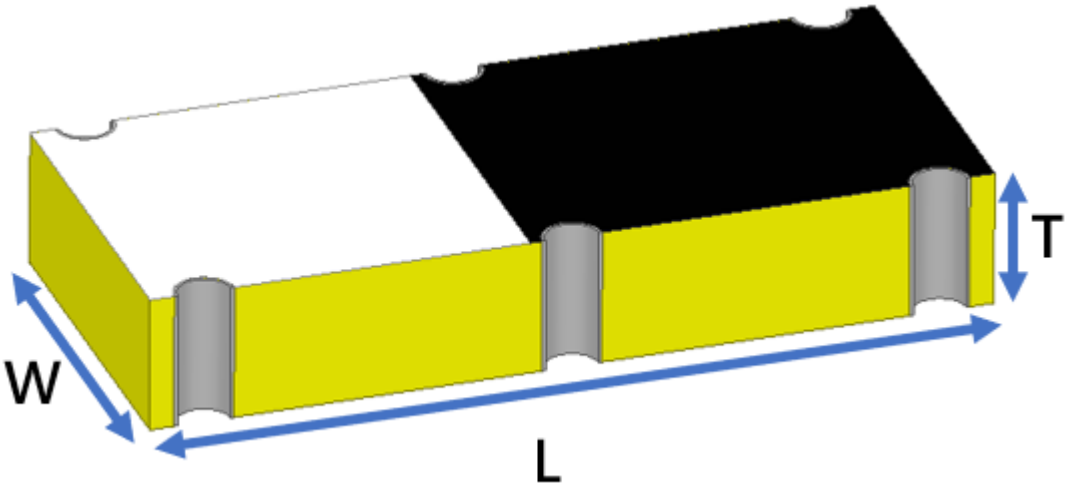
FAX: +886 2 2898-5055

7030 Chip antenna

For WI-FI 6E Applications



P/N: WAN7030DD27H06

	Dimension (mm)
L	7.00 ± 0.20
W	3.00 ± 0.20
T	1.10 ± 0.20

Part Number Information

WAN	7030	D	D27	H	06
A	B	C	D	E	F

A	Product Series	Antenna
B	Dimension L x W	7.0X3.0mm (+-0.2mm)
C	Material	High K material
D	Working Frequency	2.4 ~ 2.5GHz + 5.15~5.85GHz+ 5.925~7.125GHz
E	Feeding mode	Monopole & Single Feeding
F	Antenna type	Type = 06

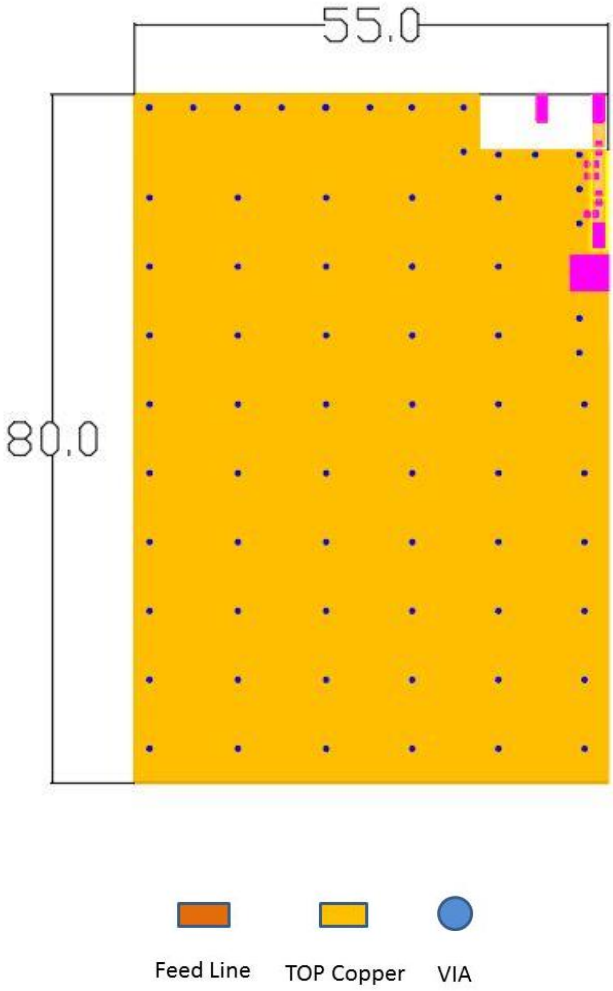
1. Electrical Specification

Specification		
Part Number	WAN7030DD27H06	
Central Frequency	2450 / 5550 / 6525	MHz
Bandwidth	120 / 700 / 1200(Min.)	MHz
Return Loss	-10 (Min)	dB
Peak Gain	3.26 / 3.35 / 5.12	dBi
Impedance	50	Ohm
Operating Temperature	-40～+110	℃
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260℃)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Cu / Sn (Leadless)	

Remark : Bandwidth & Peak Gain was measured under evaluation board of next page

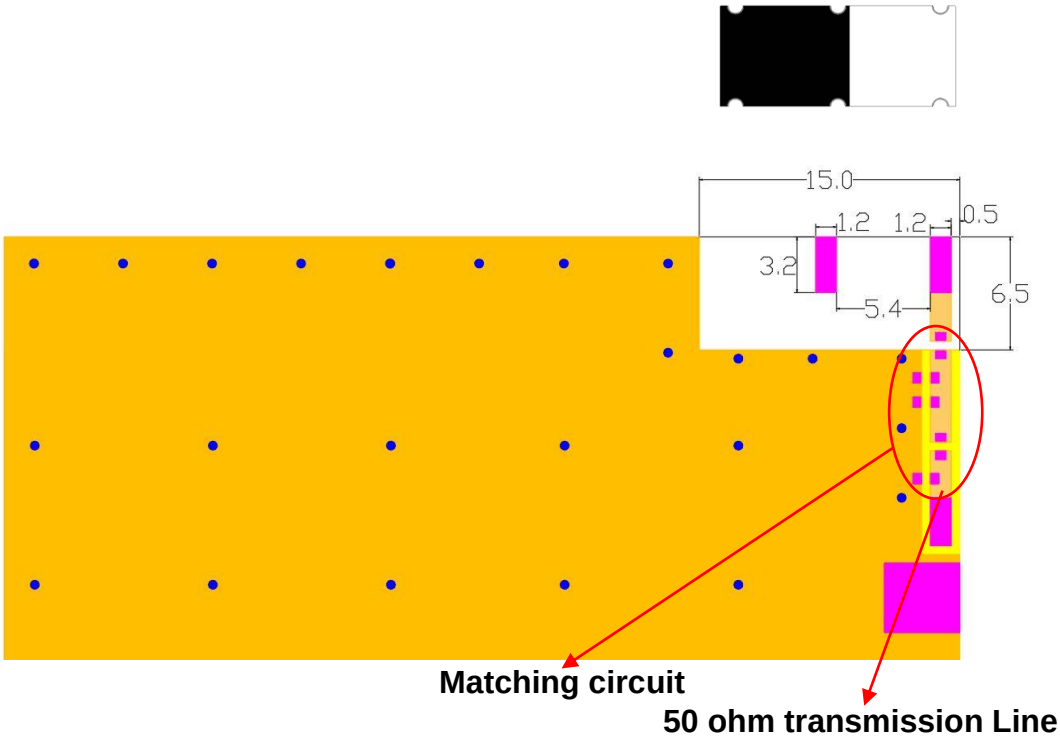
2. Recommended PCB Pattern

Evaluation Board Dimension

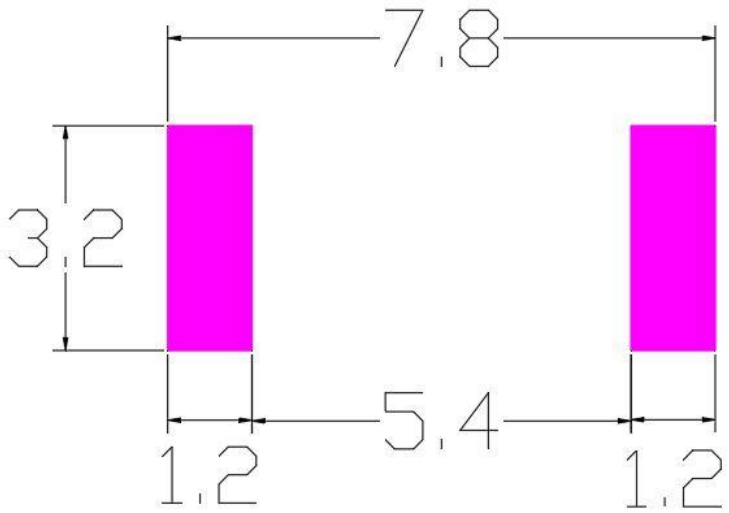


Unit : mm

◆ **Layout Dimensions in Clearance area (Size=15.0*6.5mm)**

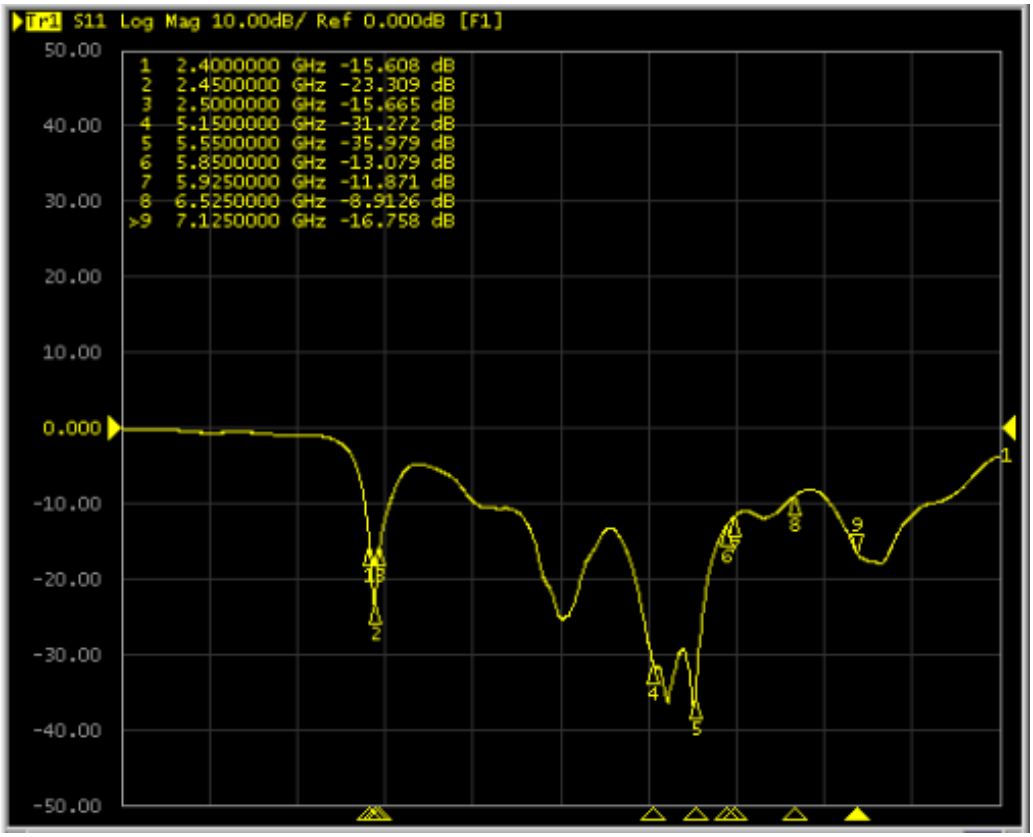


FootPrint (Unit : mm)

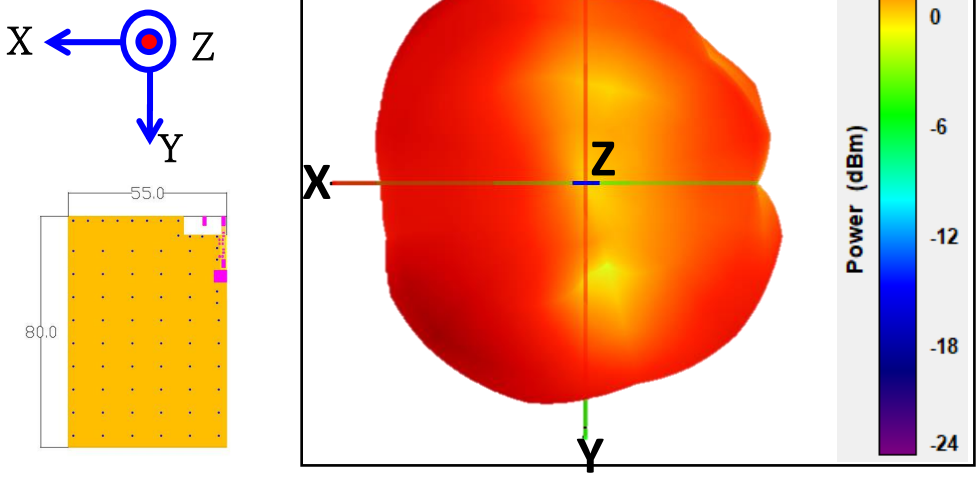


3. Measurement Results

Return Loss

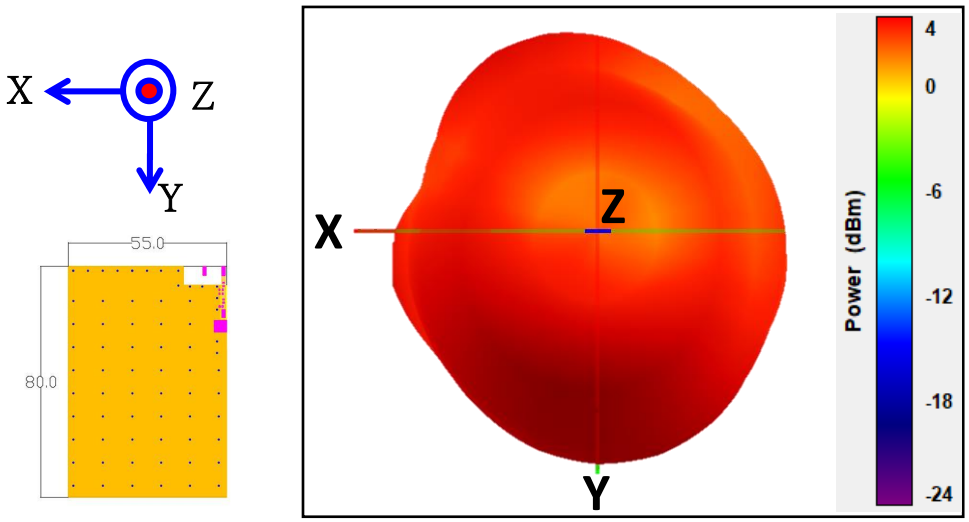


Radiation Pattern



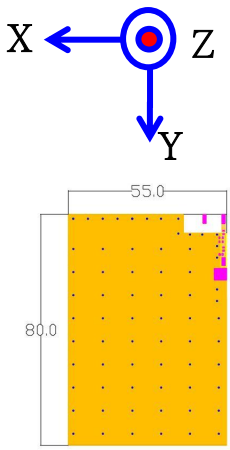
	Efficiency	Peak Gain	Directivity
2400MHz	80.89 %	3.20 dBi	4.12 dBi
2450MHz	82.53 %	3.26 dBi	4.09 dBi
2500MHz	81.78 %	3.23 dBi	4.10 dBi

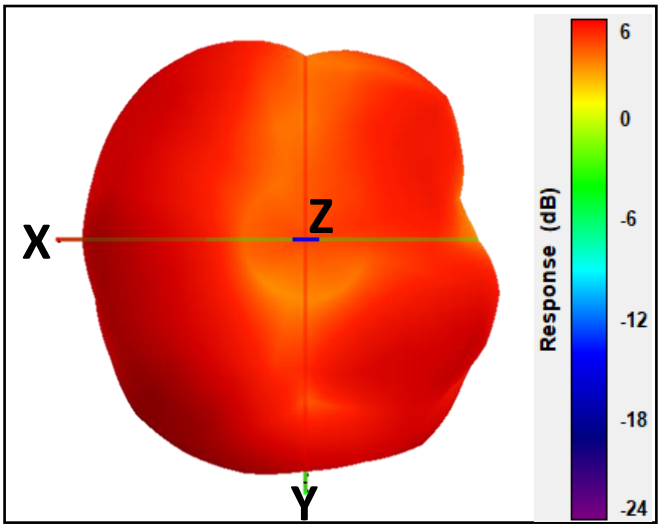
Radiation Pattern



	Efficiency	Peak Gain	Directivity
5150MHz	85.77 %	3.31 dBi	3.97 dBi
5550MHz	87.68 %	3.35 dBi	3.92 dBi
5850MHz	86.48 %	3.33 dBi	3.96 dBi

Radiation Pattern





	Efficiency	Peak Gain	Directivity
5925MHz	86.58 %	5.05 dBi	5.68 dBi
6525MHz	88.10 %	5.12 dBi	5.67 dBi
7125MHz	87.39 %	5.09 dBi	5.68 dBi

Chamber Coordinate System