

Embedded Type Antenna Module

1 . Explanation of Title :

W T E 8 6 0 0 2

(1) (2) (3) (4) (5)

(1) System code :

(2) Area code :

(3) Product type : Chip Antenna Module

(4) Customer code :

(5) Suffix :

DRAWING : RUF	DESIGNED BY : ANDY	CHECKED BY : JEFFERY	APPROVED BY : D.S.M.
UNLESS OTHER SPECIFIED TOLERANCES ON :		TITLE:	WTE86002
X=	X.X=	Part No.	111010014
REV. : B0	UNIT : mm	Document No.	111010014

WiFi Antenna

Applications

- ※ Wireless LAN
- ※ ISM band 2.4GHz applications

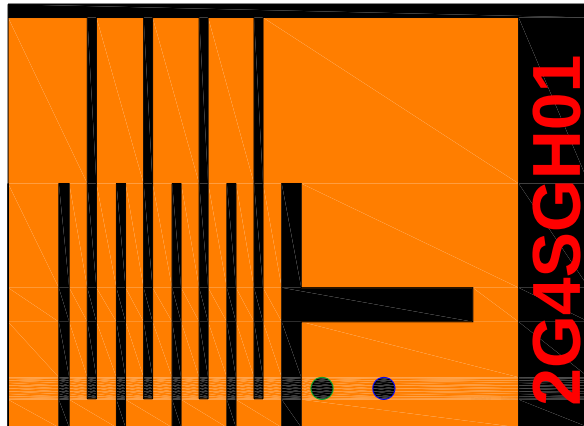
Specification

	Frequency Range (MHz)	Peak Gain	Average Gain	Return Loss	Impedance
WiFi Antenna	2400~2500	0.5 dBi typ.	-0.5 dBi typ.	-20 dB	50Ω

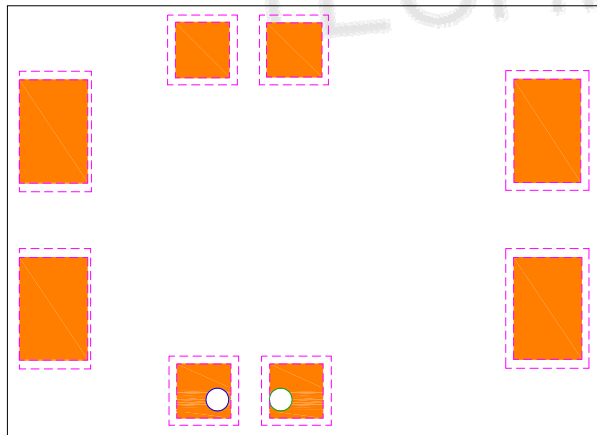
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Terminal Configuration

Top Layer :



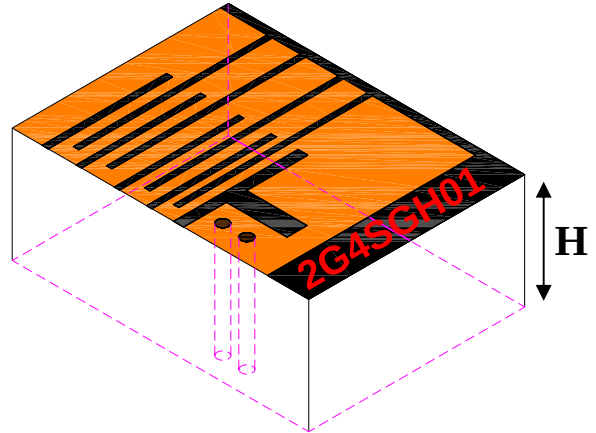
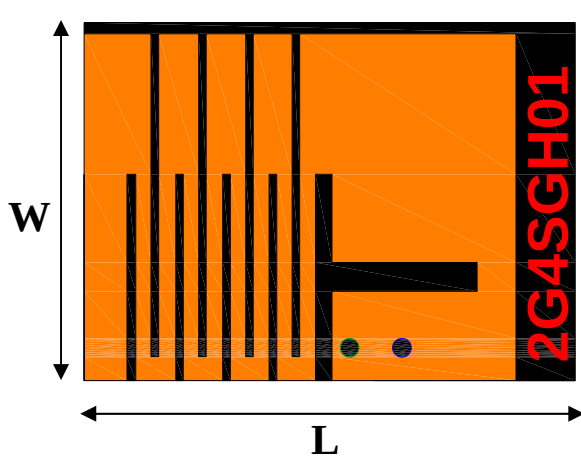
Bottom Layer :



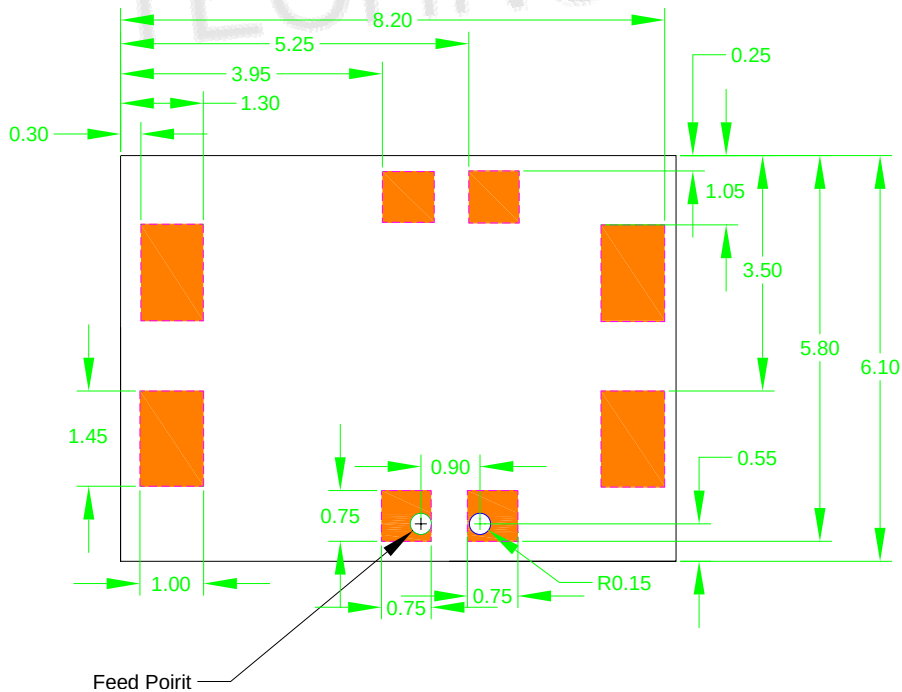
No.	Terminal Name
	NC
	NC
○	Feeding Point
○	Shorting Point
	NC
	NC
	NC
	NC

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Dimensions and Recommended PC Board Pattern



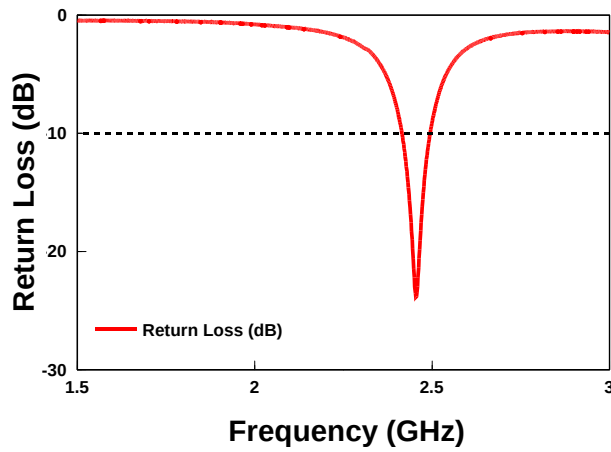
Mark	L	W	H
Dimensions	8.5±0.5	6±0.5	3±0.3



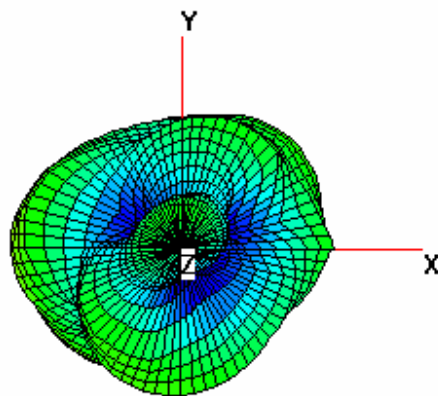
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Measurement Result

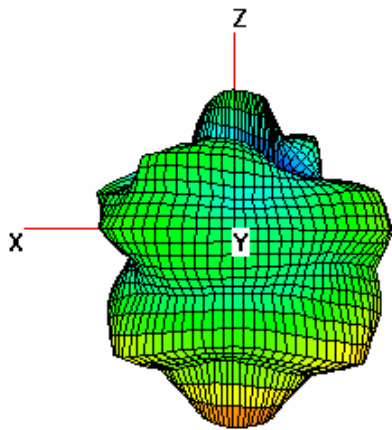
※ Return Loss



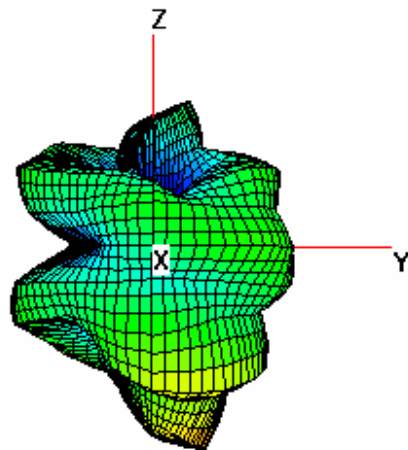
※ Radiation Patterns



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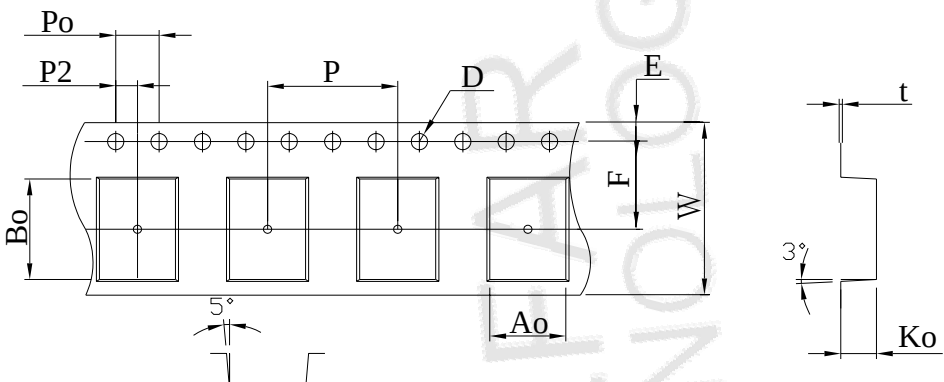


XZ Cut @ 2.45 GHz



YZ Cut @ 2.45 GHz

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NOTE: 1.10 Sprocket hole pitch cumulative tolerance $\pm 0.2\text{mm}$. 2.Carrier camber is within 1mm in 100mm 3.Material: Transparence Anti-static polystyrene Alloy. 4.Ao and Bo measured on a plane 0.3mm above the bottom of the pocket. 5.Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier. 6.Pocket position relative to sprocket hole measured as true position of pocket , not pocket hole.																																																																																																																																															
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111010014

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