

2.4GHz Chip Antenna: YL5022H1R2G45

Application:

WLAN, 802.11b/g, Bluetooth, etc...

Features

SMD, high reliability, ultra Impact, Omni-directional...

Part number

YL 5022 H1 R 2G45
 (1) (2) (3) (4) (5)

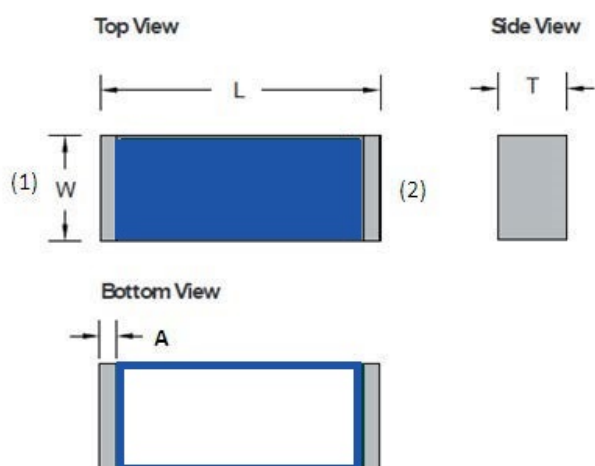
(1)Product Type	Chip Antenna
(2) Size Code	5.0x2.0mm
(3) Type Code	H1
(4) Packing	Tape and reel
(5) Frequency	2.45GHz

Electrical Specification

Working Frequency Range	2400 ~2484 MHz
Peak Gain	1.7dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-40 ~85°C

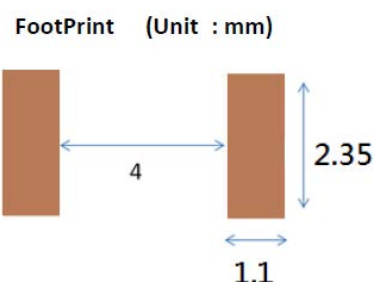
The specification is defined on EVB.

Dimension and Terminal Configuration



Dimension (mm)	
L	5.0 +/-0.20
W	2.2+- 0.20
T	1.2+- 0.20
A	0.20+/-0.20

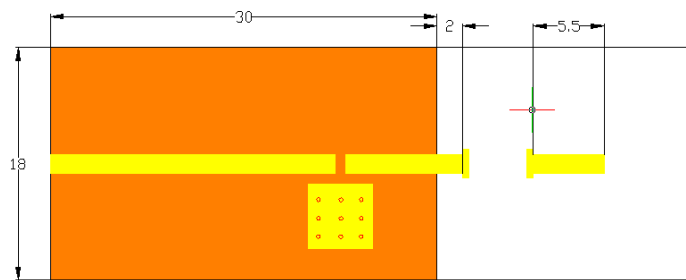
No.	Terminal Name
1	Feeding
2	Soldering



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Evaluation Board Reference

PCB Dimension & Antenna Layout Reference

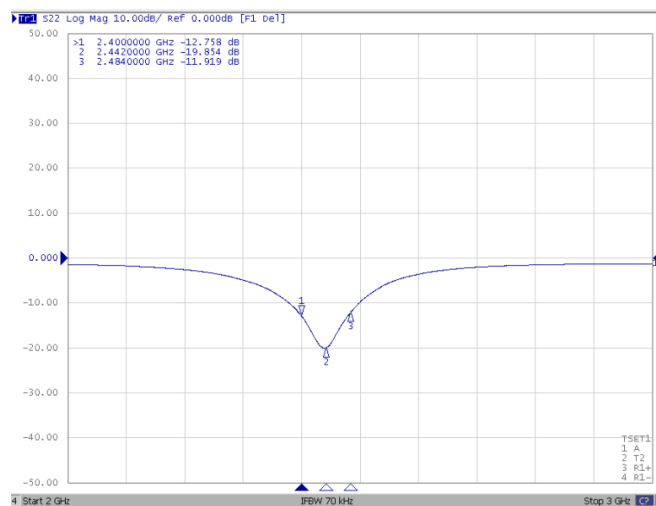


unit :mm

Electrical Characteristics

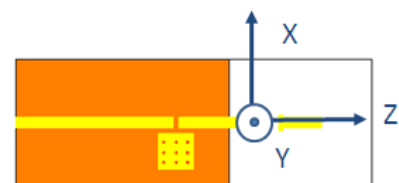
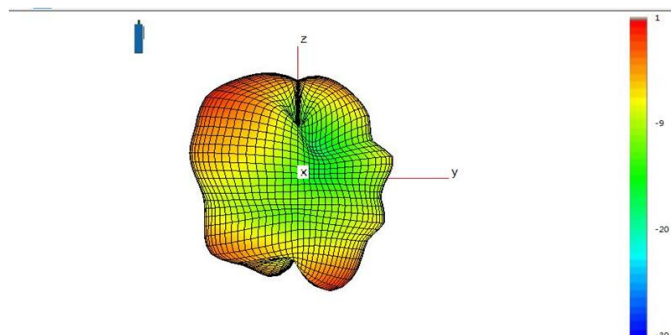
Return Loss & Radiation

Return Loss



Frequency (MHz)	S11 (dB)
2400	-12.8
2442	-19.8
2484	-11.9

Radiation



2.45GHz

Frequency	2445MHz
Peak gain	1.7dBi
Efficiency	80.2%