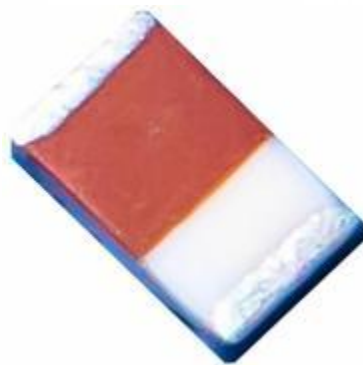




Product Name: Bluetooth Chip Antenna – CW201

Part Number: H2U34C1H1B0100

Features:

- Supporting Bluetooth, covering 2400 to 2484 MHz
- Surface Mount
- Dimensions: 2.0 x 1.2 x 0.6 mm
- High performance, small size.
- RoHS & REACH Compliant

Applications:

- ISM 2.4 GHz applications
- BLE applications
- Bluetooth earphone systems
- Bluetooth functions are needed, e.g.,
Smart phones

Bluetooth Chip Antenna

MODEL: CW201

Version: A

I. Specifications:

Items	Specifications
Frequencies (MHz)	2400~2484
Efficiency (%)	59.2
Average Gain (dB)	-2.3
Peak Gain (dBi)	1.9
Test Condition	40 x 20 mm ² (Evaluation board)
Impedance (Ω)	50
Polarization	Linear Polarization

	Mechanical Specifications
Dimensions (mm)	2.0(L) x 1.2 (W) x 0.6 (H)
Material	Ceramic
Termination	Ag (environmental Pb free)
	Environmental Conditions
Operation Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-5 ~ +40
Relative Humidity	10 ~ 70 %

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All specifications subject to change without notice.

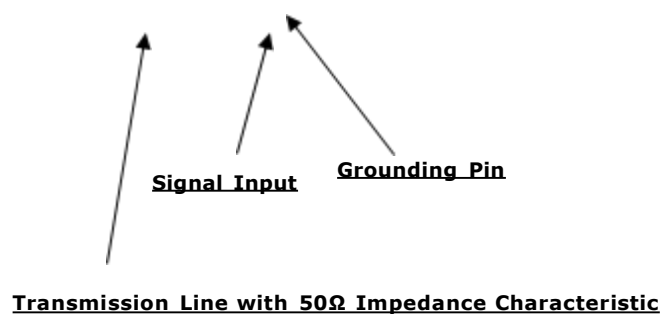
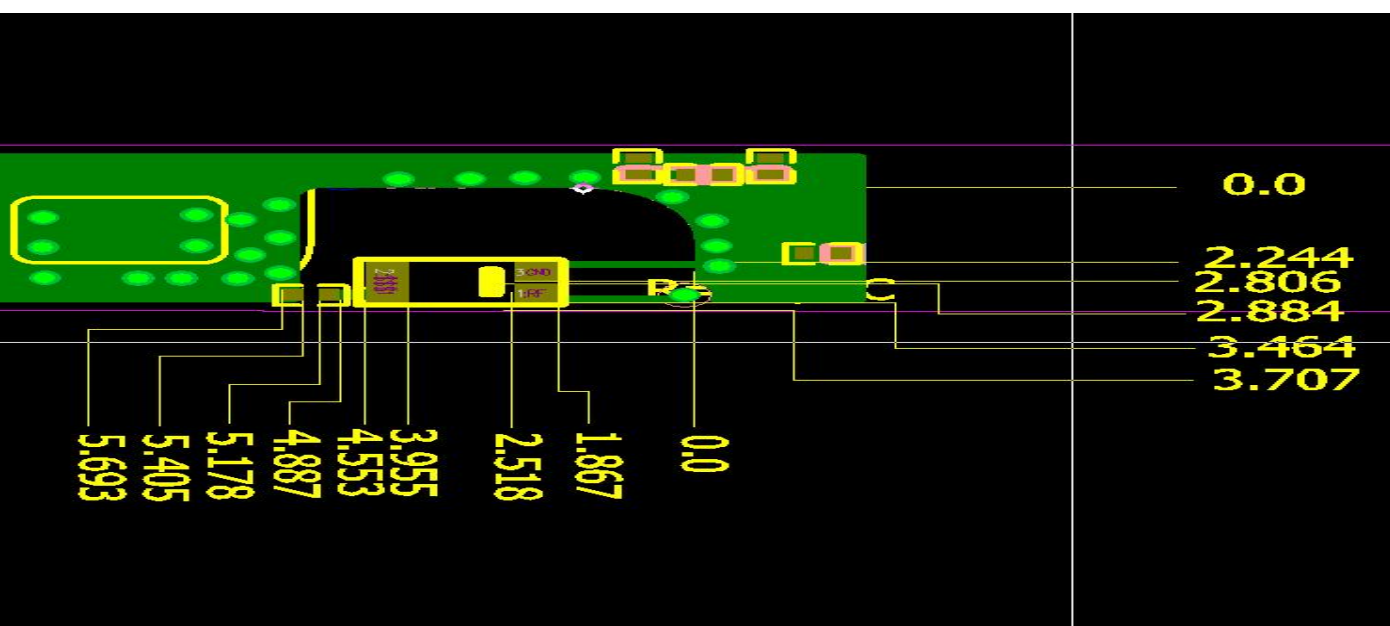


II. Layout Guide:

Solder Land Pattern:

The solder land pattern (gold marking areas) is shown below. Recommendation on matching circuit will be provided according to customer's installation conditions.

Top View



Bottom View

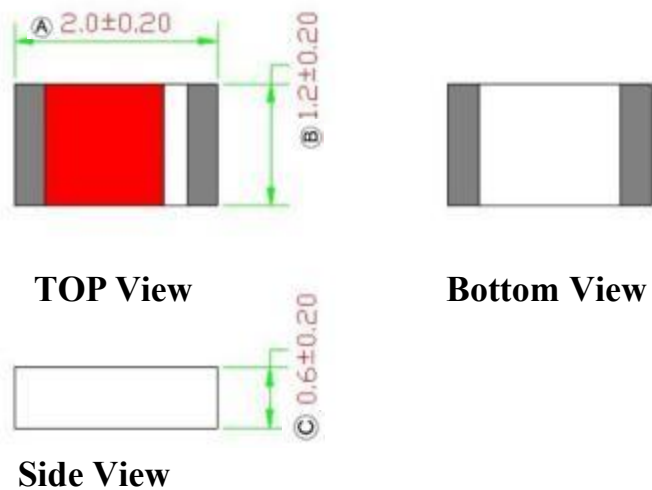


5F., No. 83, Kewang Rd., Longtan Dist., Taoyuan City 32556, Taiwan (R.O.C.)
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www.unictron.com

III. Mechanical Dimensions:

a) Antenna Dimensions



Unit: mm

b) PIN Definition

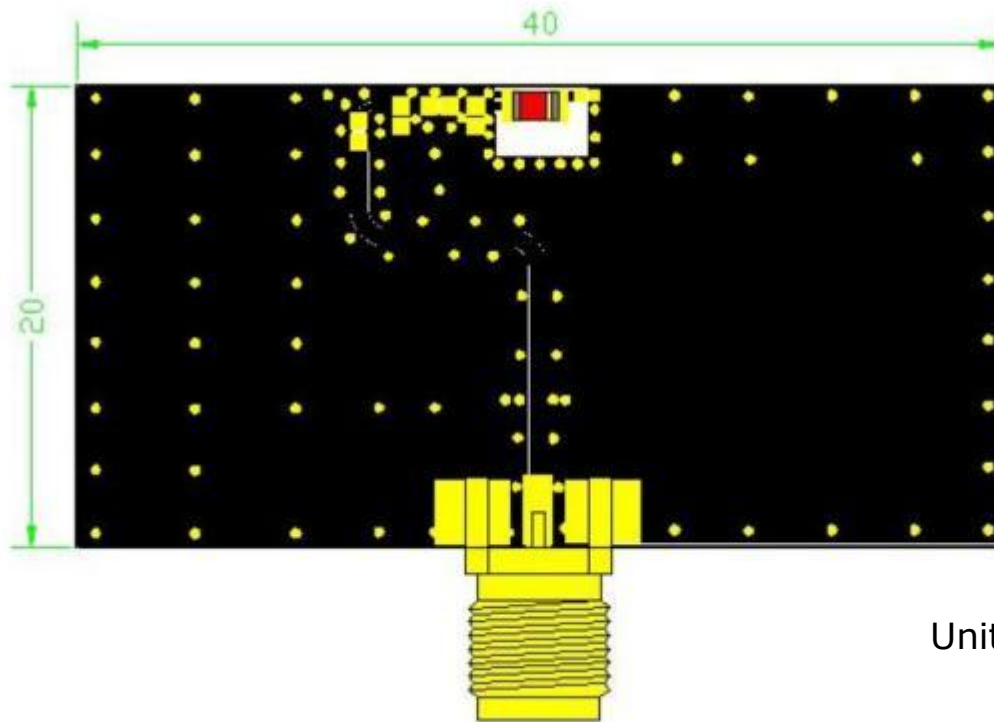


Unit: mm

PIN	1	2
Soldering Pad	Signal Input	Tuning/Signal Output



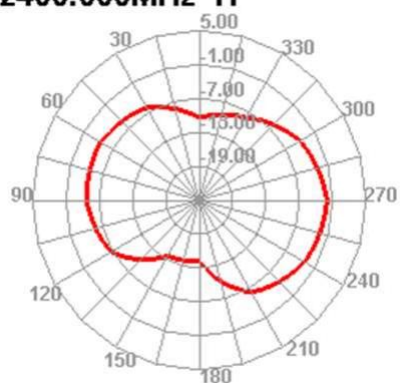
c) Test Board with Antenna



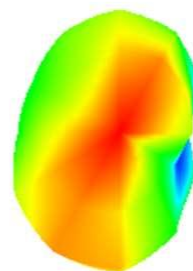
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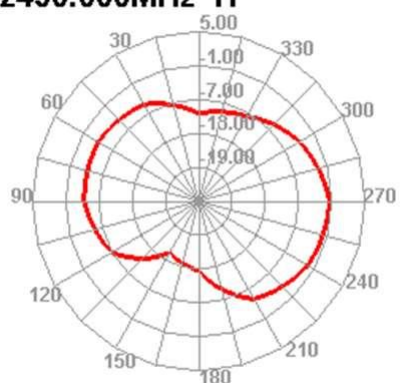
2400.000MHz H



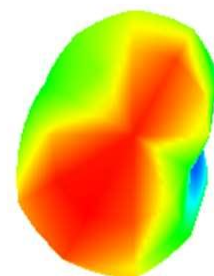
2400.000MHz



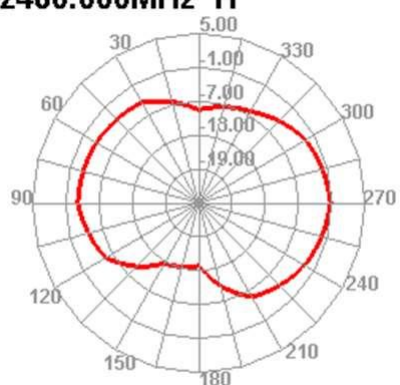
2450.000MHz H



2450.000MHz



2480.000MHz H



2480.000MHz

