

2400-2500 MHz Single band or 2400-2500 & 4900-5875 MHz Dual Band Antenna

(IEEE 802.11 a/b/g/n/ac/ad, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

Part Number: 2108964-1

Product Facts

- This small BT or Dual Wi-Fi Band antenna Provides the most reliable Easy-to-use
- RoHS compliant
- Available in tape & reel



Recommendations

- Minimum matching circuits required
- This antenna provides very high performance and broad bandwidth.
- Bandwidth and performance is dependent on ground plane size.

Specifications

Frequency(MHz)

VSWR

Typical Peak Gain(dBi)

Polarization

Azimuth Beamwidth

Power Handling

Feed point Impedance

Size(X * Y * Z)(mm)

Weight(g)

Mounting Method

Reflow Temperature

Operating Temperature

Single Band

2400~2500

< 2.0 : 1

+2.4

Linear, Vertical

Omni directional

10 Watt cw

50 ohms

10.0 * 2.5 * 2.5

0.11

Surface-mount

240°C Pb free

-40~+85°C

Dual Band

2400~2500; 4900~5875

< 2.0 : 1

+2.7; +4.3

Linear, Vertical

Omni directional

10 Watt cw

50 ohms

10.0 * 2.5 * 2.5

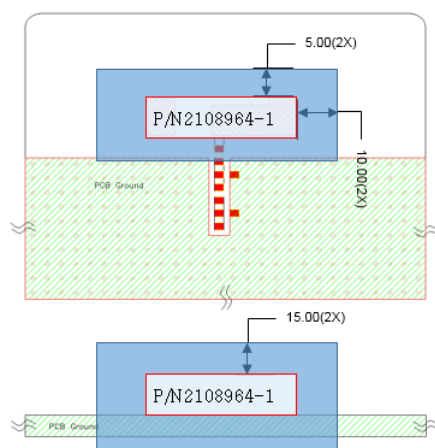
0.11

Surface-mount

240°C Pb free

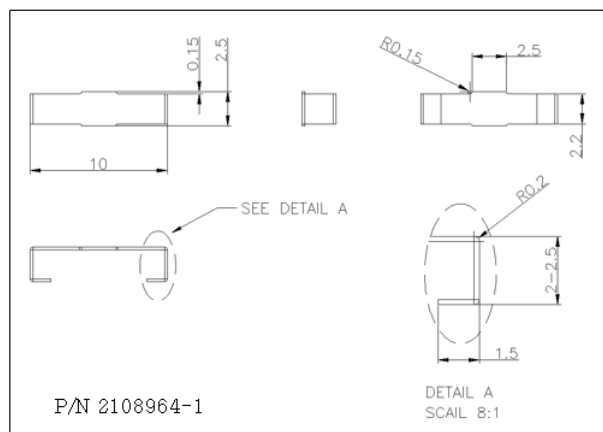
-40~+85°C

Keep Out Area



Dimensions: mm
Diagram is not to scale

Approx. Dimensions

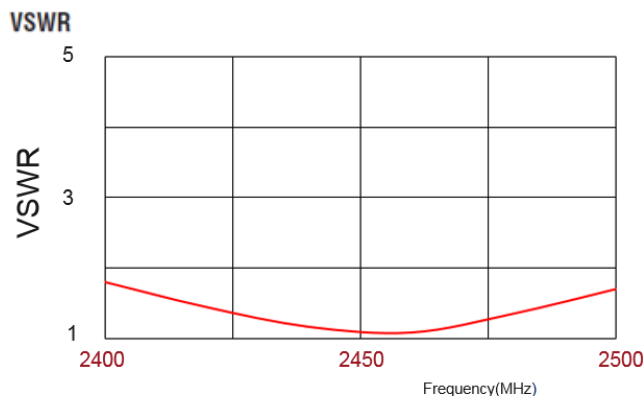
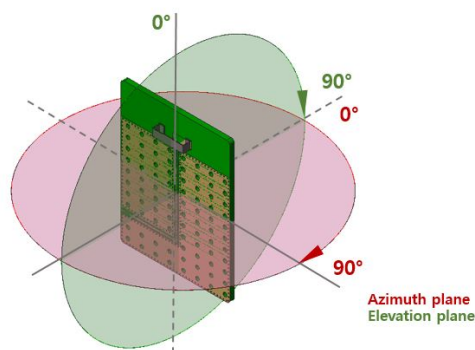


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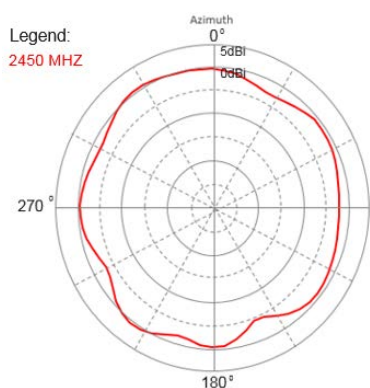
(IEEE 802.11 a/b/g/n/ac/ad, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products) (Continued)

Single Band

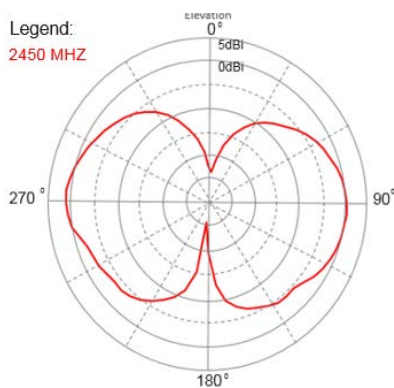
Test Orientation in Free Space



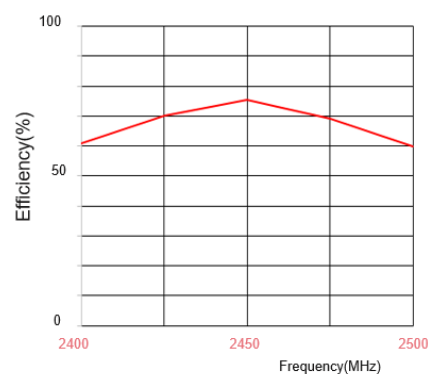
Azimuth



Elevation



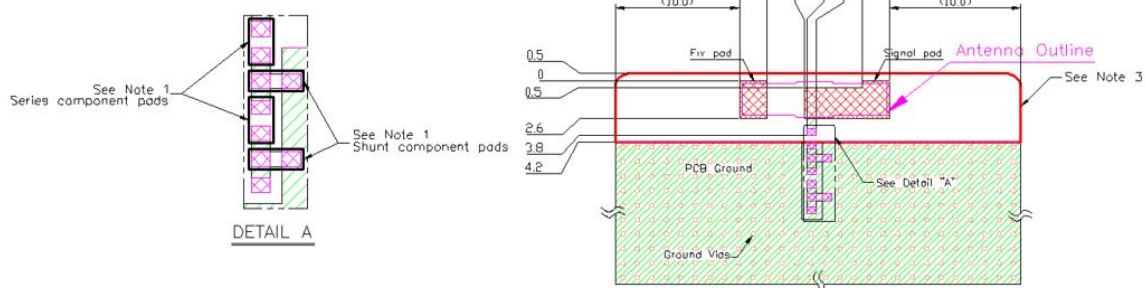
Efficiency



Part Number: 2108964-1

(Continued)

Mounting Guide



- NOTES: 1. Suggested matching component pads.
2. Antenna must be mounted on the edge of PCB.
3. No copper allowed in designated area on all PCB layer -
4. For more information please call TE.

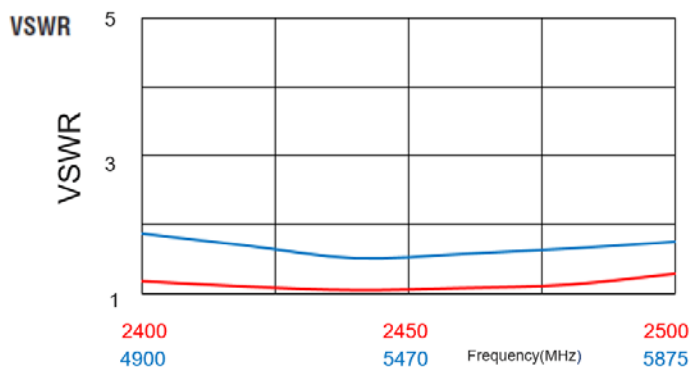
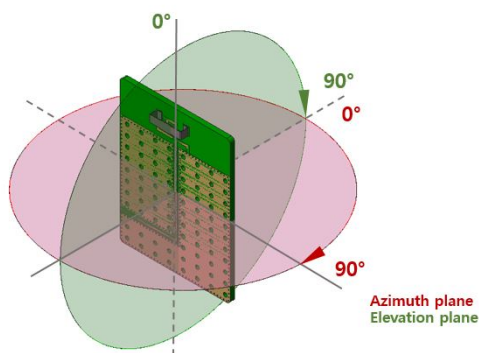
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Dual Band

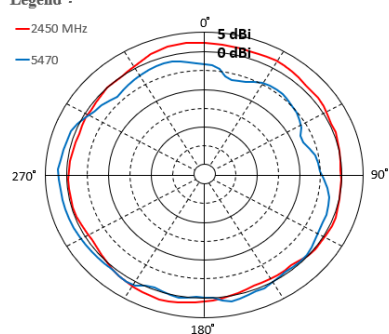
Test Orientation in Free Space



Azimuth

Legend :

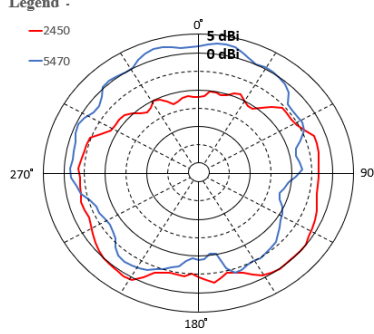
— 2450 MHz
— 5470



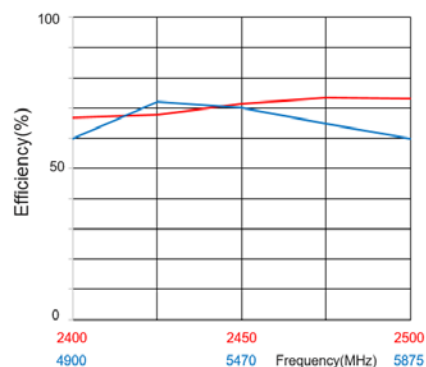
Elevation

Legend :

— 2450
— 5470



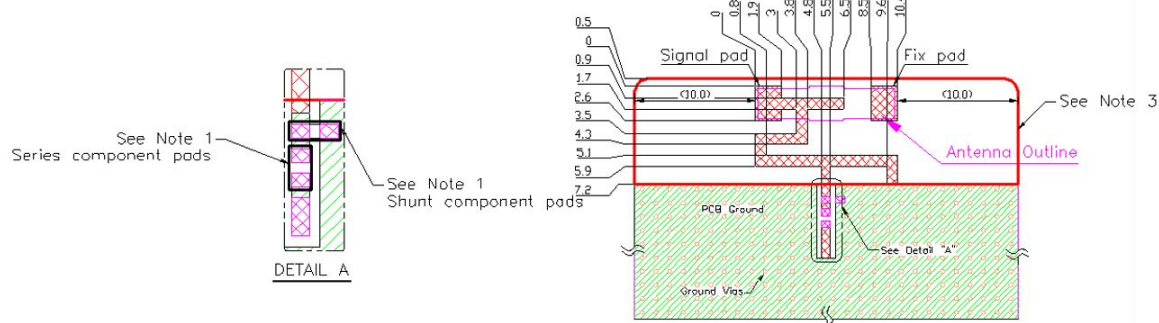
Efficiency



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