

**2400 –2483.5 MHz Single Band Antenna**  
 (802.11 b/g, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

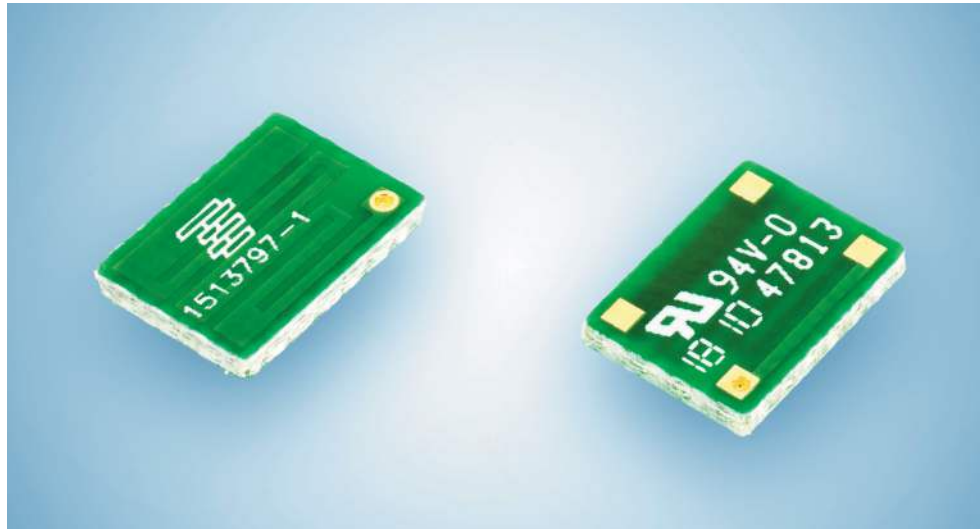
**Part Number: 1513797-1**

**Product Facts**

- This small embedded antenna provides the most reliable easy-to-use, adjustment-free antenna technology for handling during assembly and implementation by developers.
- Available in tape & reel.
- RoHS compliant

**Recommendations**

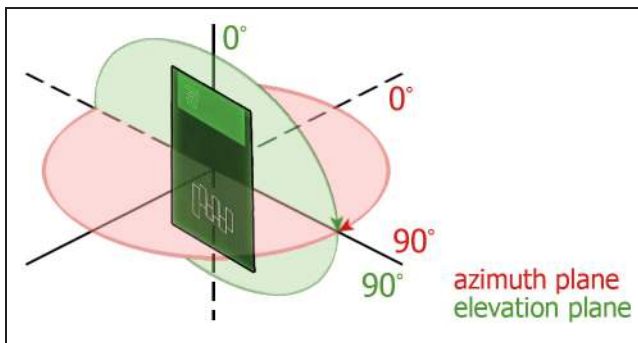
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 30 mm.
- PCB ground is to be on top layer..



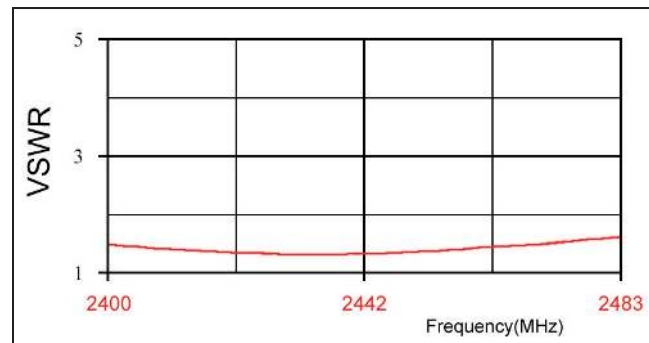
**Specifications**

Frequency Range (MHz)	2400 –2483.5
Peak Gain	+1 dBi
VSWR	< 2.5:1
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms
Size	8.45 mm x 6.40 mm x 0.79mm
Weight	< 0.2 g.
Mounting	Surface-mount technology. See page 2
Keep Out Area	See diagram on page 2

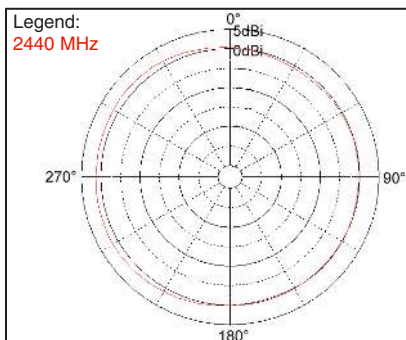
**Test Orientation in Free Space**



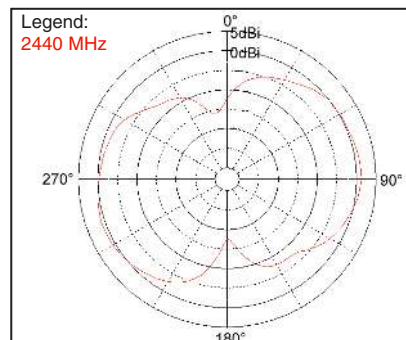
**VSWR**



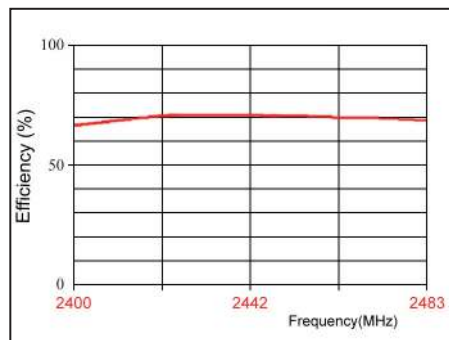
**Azimuth**



**Elevation**



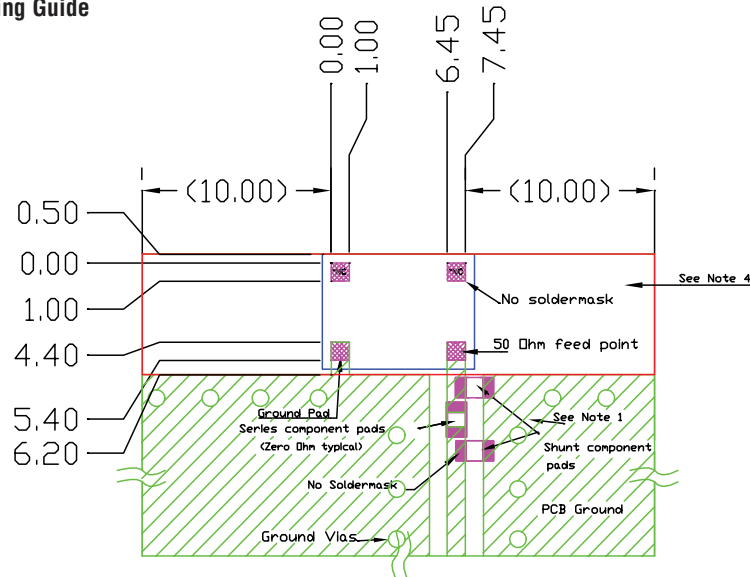
**Efficiency**



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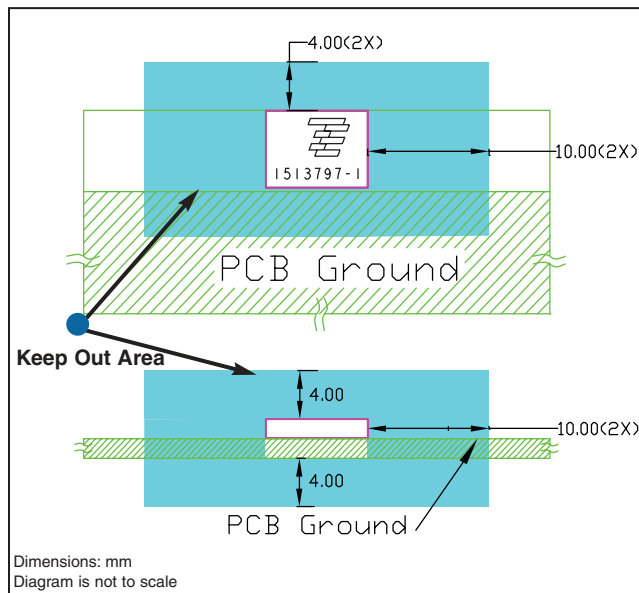
**Mounting Guide**



- NOTES:
1. Suggested matching component pads.
  2. Antenna must be mounted on the edge of PCB.
  3. NC = No connection (mechanical mounting pads).
  4. No copper allowed in designated area on all PCB layers –
  5. For more information please call TE.

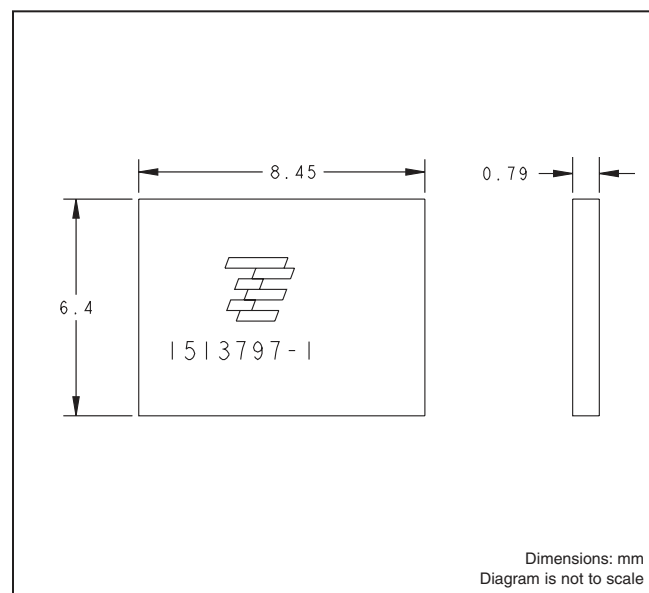
Dimensions: mm  
Diagram is not to scale

**Keep Out Area**



Dimensions: mm  
Diagram is not to scale

**Approx. Dimensions**



Dimensions: mm  
Diagram is not to scale

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Consult TE for the latest dimensions and design specifications.

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