

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

**Part Number: 1513504-1**

**Product Facts**

- Wide bandwidth and high gain in a compact size.
- Enhanced hemispherical pattern improves RF link reliability of portable devices.
- Available in tape & reel.
- RoHS compliant

**Recommendations**

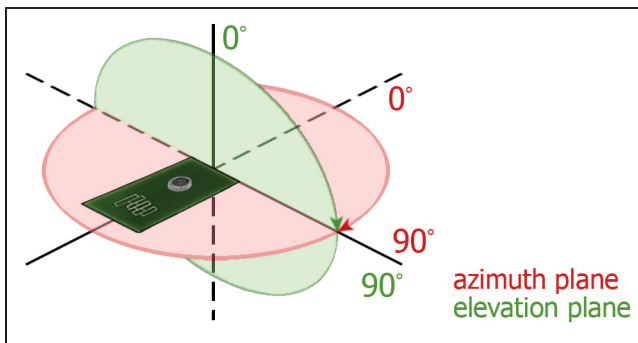
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 30 mm.
- PCB ground is to be on top layer.



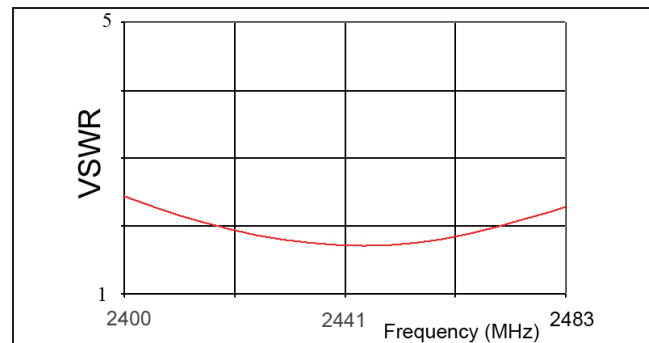
**Specifications**

Frequency Range (MHz)	2400 –2483.5
Peak Gain	+ 2 dBi
VSWR	< 2.5:1
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	16.00 mm dia. x 6.05 mm
Weight	< 1 g.
Mounting	Surface-mount technology. See page 2
Keep Out Area	See diagram on page 2
Reflow Temperature	240°C PB free
Operating Temperature	-40°C ~ 85°C

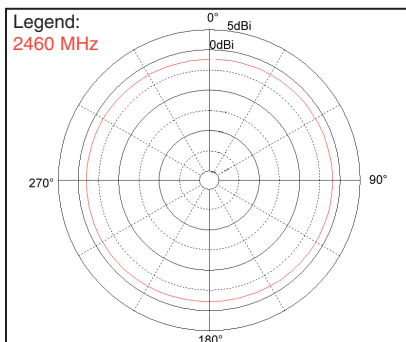
**Test Orientation in Free Space**



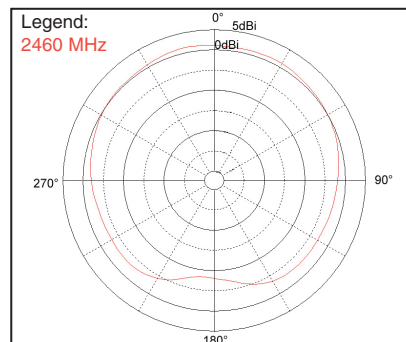
**VSWR**



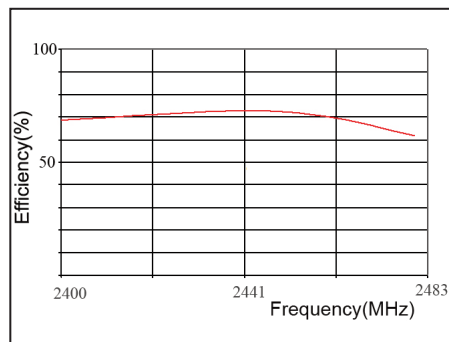
**Azimuth**



**Elevation**



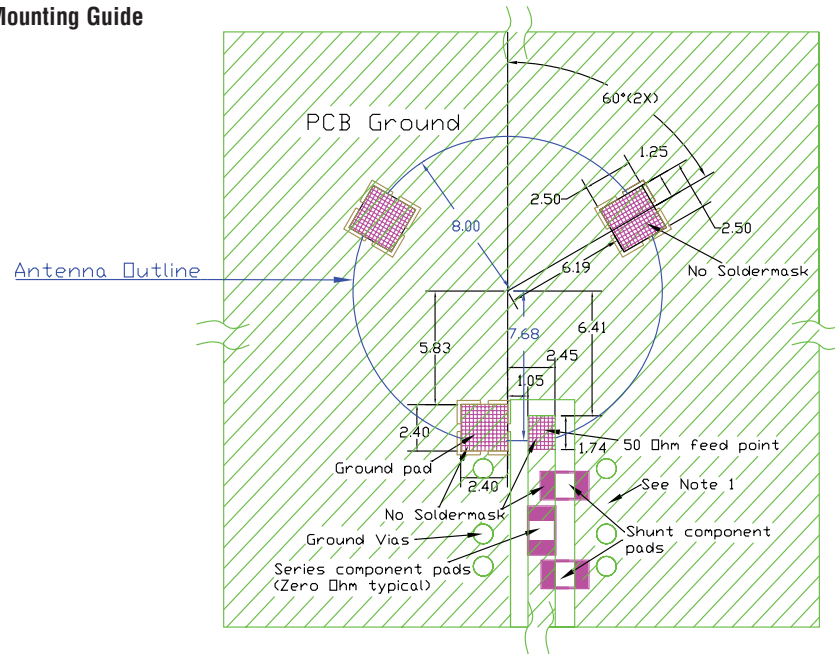
**Efficiency**



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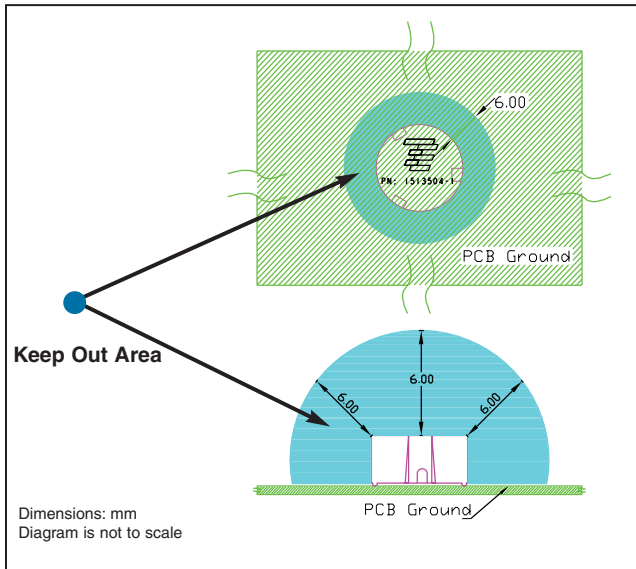
**Mounting Guide**



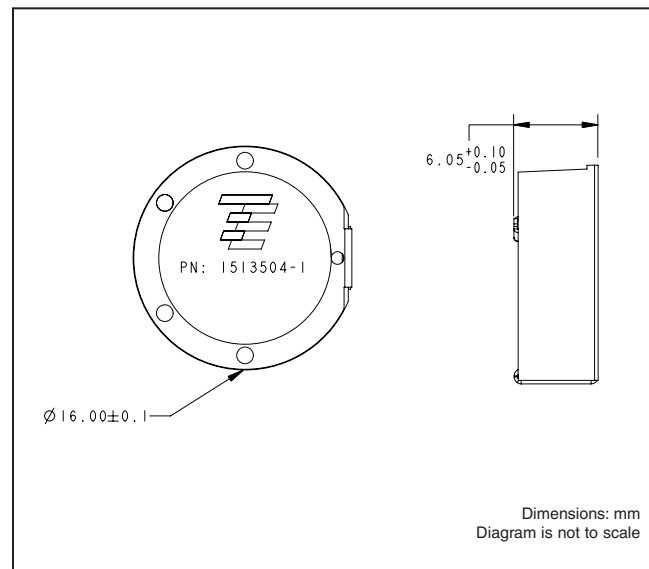
NOTES: 1. Suggested matching component pads.  
2. For more information please call TE.

Dimensions: mm  
Diagram is not to scale

**Keep Out Area**



**Approx. Dimensions**



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Consult TE for the latest dimensions and design specifications.

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