

Antenna Solutions

### 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

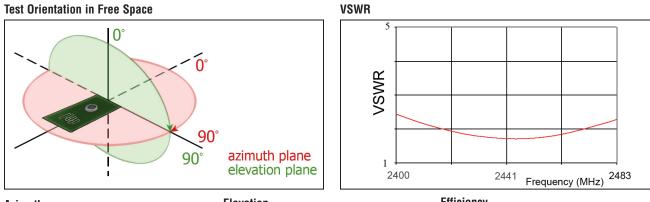
#### **Recommendations**

- 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.

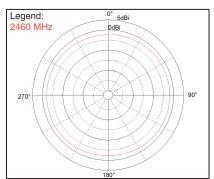


# Specifications

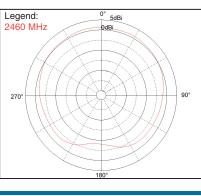
Frequency Range (MHz)	2400 –2483.5
Peak Gain	+ 2 dBi
VSWR	< 2.5:1
Reflow Temperature	275°C maximum
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	16.00 mm dia. x 6.05 mm
Weight	< 1 g.
Mounting	Surface-mount technology. See page 2
Keep Out Area	See diagram on page 2



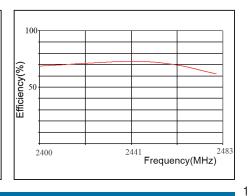
#### Azimuth



#### Elevation



#### Efficiency



Catalog 4-1773459-1 Revised 03-11

www.te.com www.antenna.te.com Dimensions are in inches and millimeters unless otherwise sspecified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

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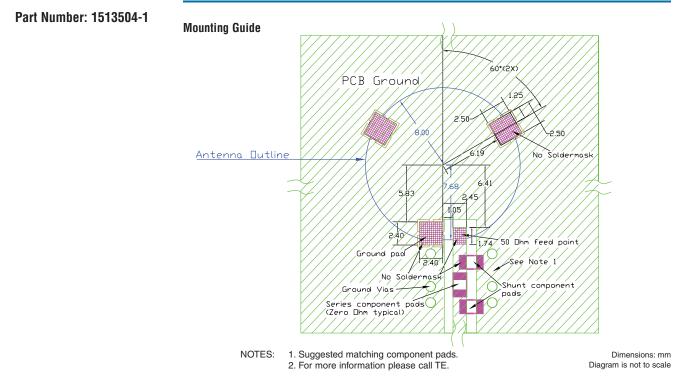
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#### **Keep Out Area**

# 6.00 513504-1 PCB Ground Keep Out Area PCB Ground Dimensions: mm Diagram is not to scale

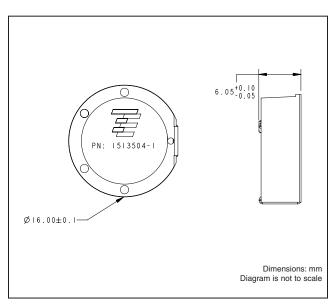
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#### Approx. Dimensions



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Consult TE for the latest dimensions and design specifications

9565 Soquel Drive
Aptos, CA 95003
(+ 831) 662-1174
http://www.antenna.te.com

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