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

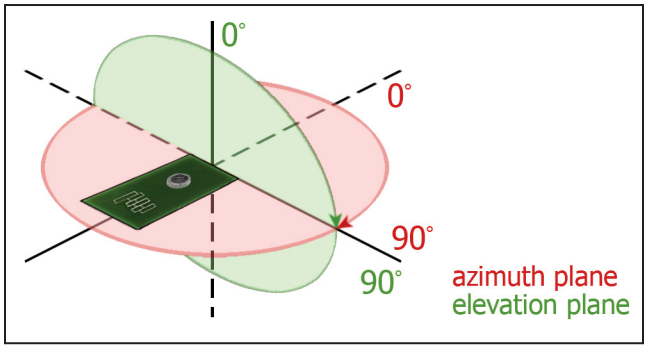
Recommendations

- 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.

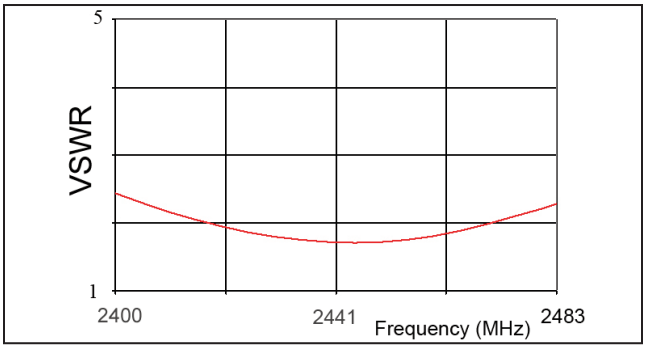
Specifications

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

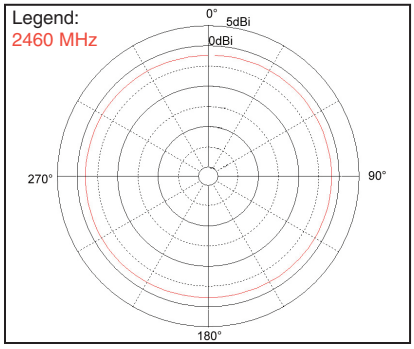
Test Orientation in Free Space



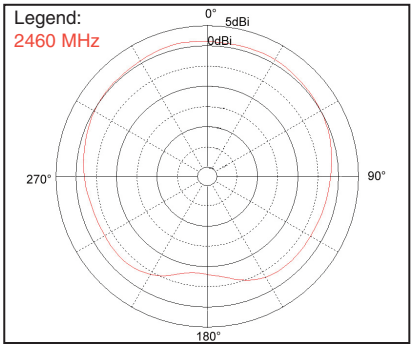
VSWR



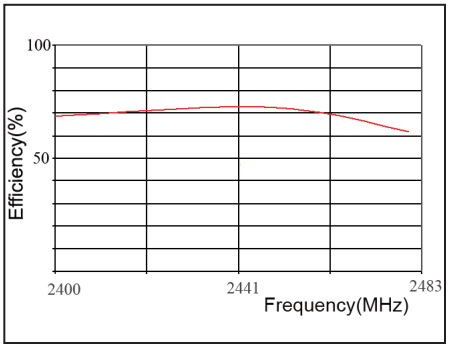
Azimuth



Elevation



Efficiency



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.

USA: 1-800-522-6752
Canada: 1-905-475-6222
Germany: +49 (0) 6251-133-1999
UK: +44 (0) 800-267666
Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015
For other country number go to te.com/supportcenter

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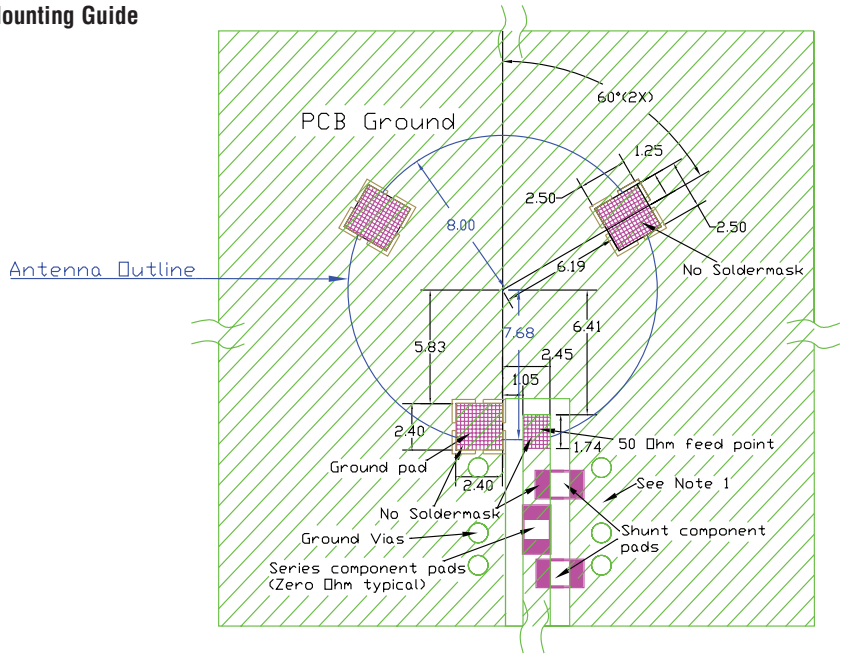
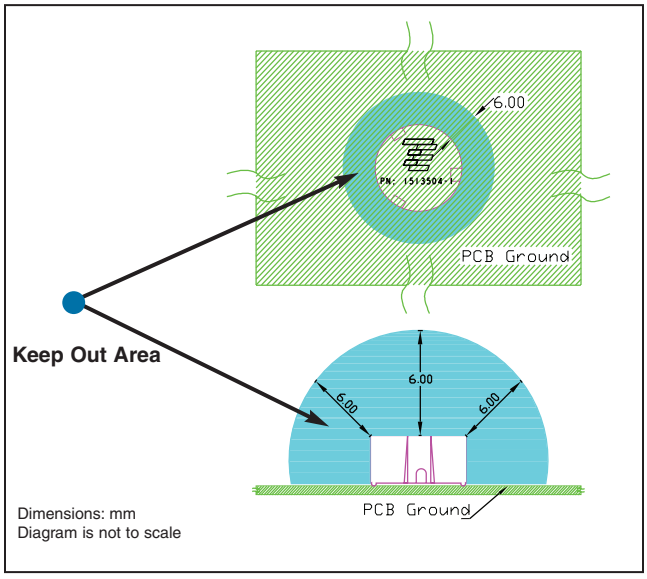
Mounting Guide



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

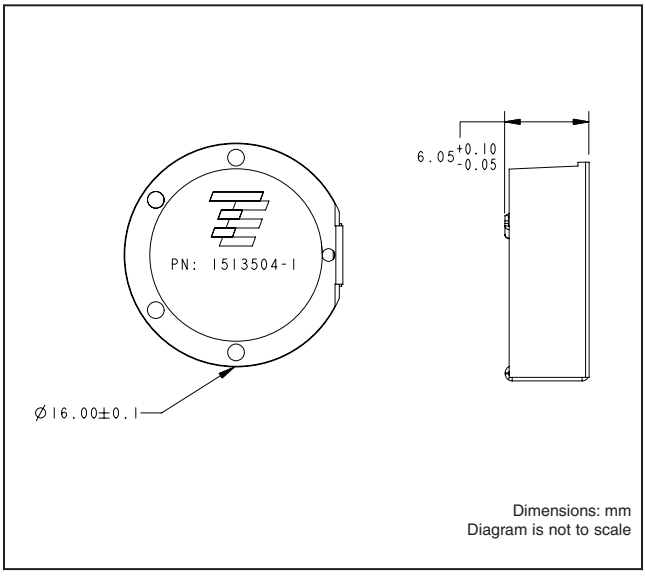
Dimensions: mm
Diagram is not to scale

Keep Out Area



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.

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