

Technical Data Sheet

2400 – 2483.5 MHz Single Band Antenna (802.11 b/g, Bluetooth, and ZigBee)



Part Number: **1513504-1**

Description

- 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.

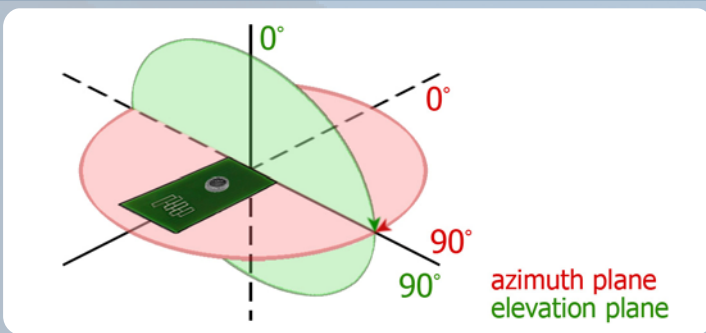
Recommendations

- 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.

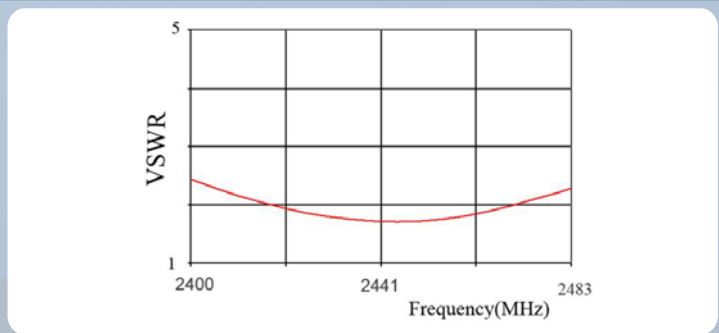
Specifications

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

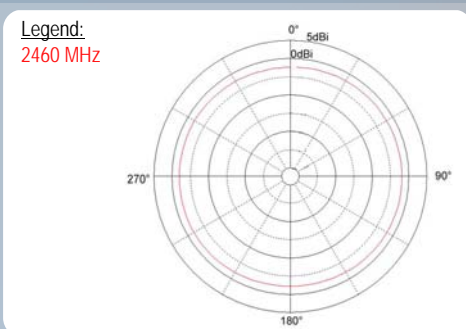
Test Orientation in Free Space



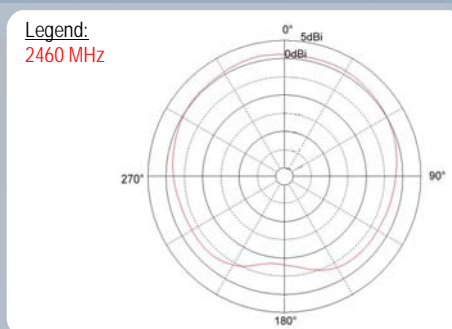
VSWR



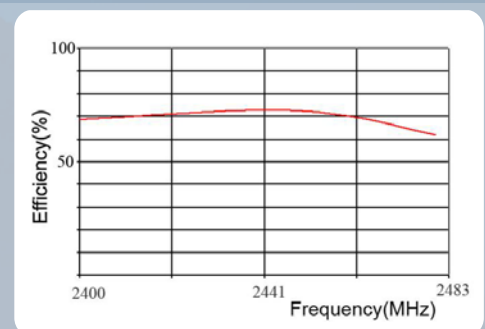
Azimuth



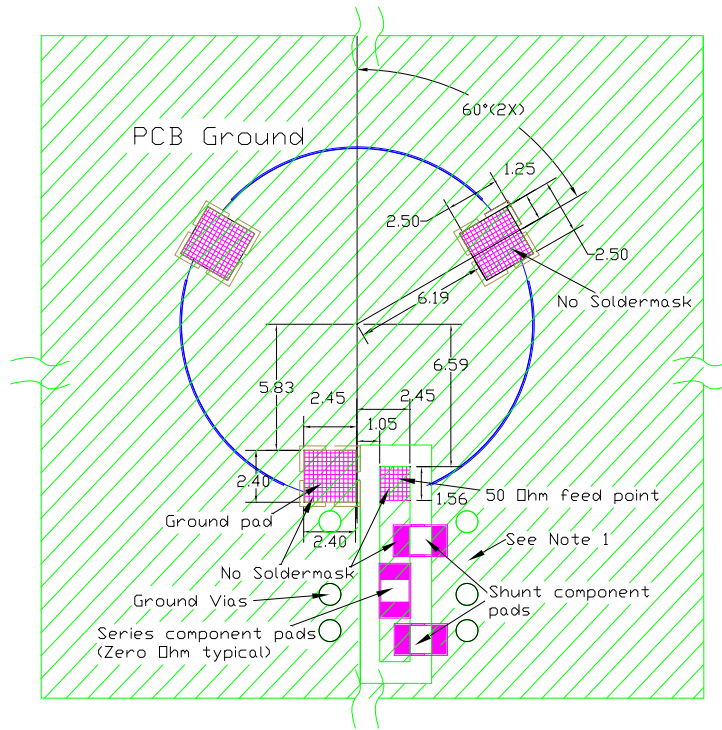
Elevation



Efficiency



Mounting Guide



Dimensions: mm
Diagram is not to scale

- NOTES:
1. Suggested matching component pads.
 2. For more information please call Tyco Electronics.

Keep Out Area

Approx. Dimensions

