

## 2400 –2483.5 MHz – Single Band Antenna

(802.11 b/g, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

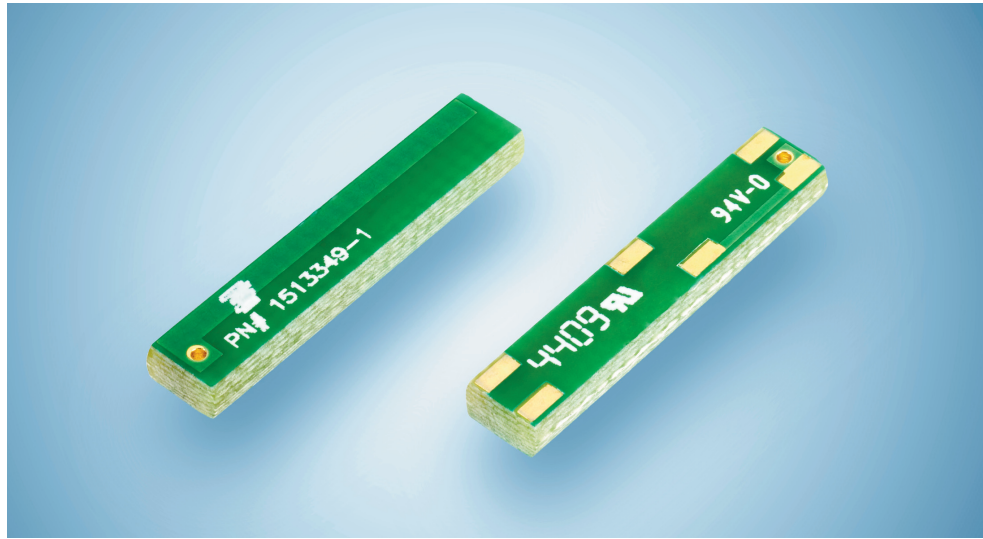
**Part Number: 1513349-1**

### Product Facts

- Small and lightweight.
- Available in tape & reel.
- RoHS compliant

### Recommendations

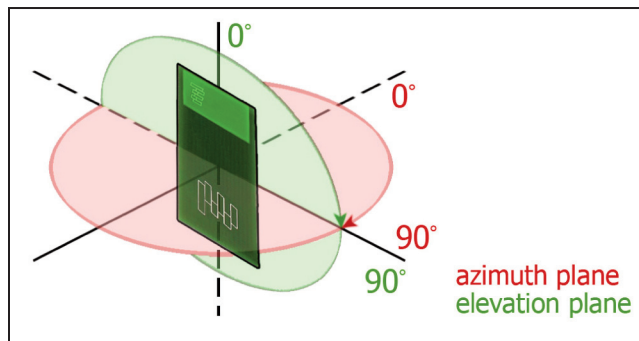
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 30 mm.
- PCB ground is to be on top layer.



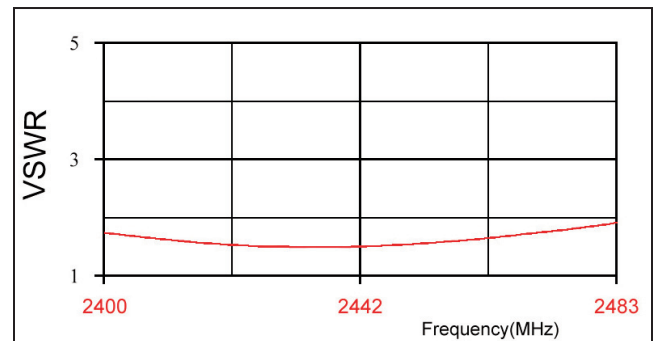
### Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| Frequency Range (MHz) | 2400 –2483.5                         |
| Peak Gain             | 0 dBi                                |
| VSWR                  | < 2.0:1                              |
| Polarization          | Linear, Vertical                     |
| Power Handling        | 10 Watt cw                           |
| Feed Point Impedance  | 50 Ohms unbalanced                   |
| Size                  | 18.03 mm x 3.76 mm x 1.57 mm         |
| Weight                | < 0.5 g.                             |
| Mounting              | Surface-mount technology. See page 2 |
| Keep Out Area         | See diagram on page 2                |

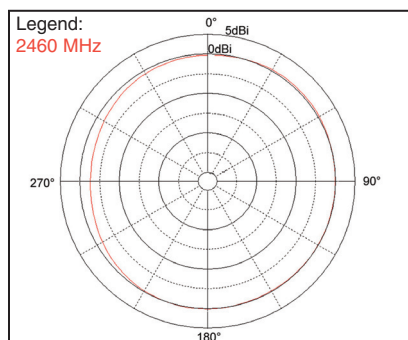
### Test Orientation in Free Space



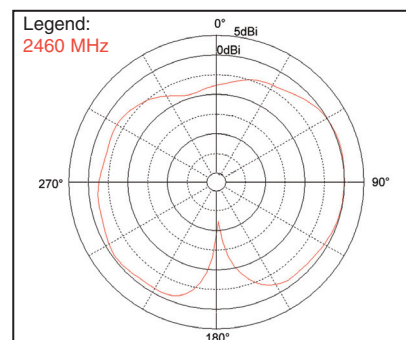
### VSWR



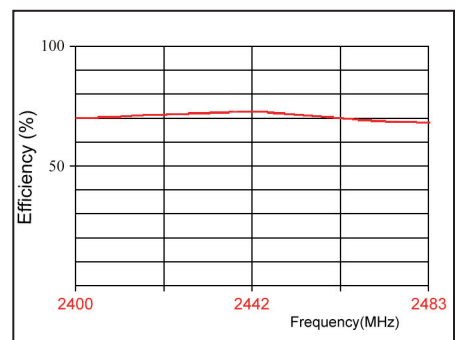
### Azimuth



### Elevation



### Efficiency

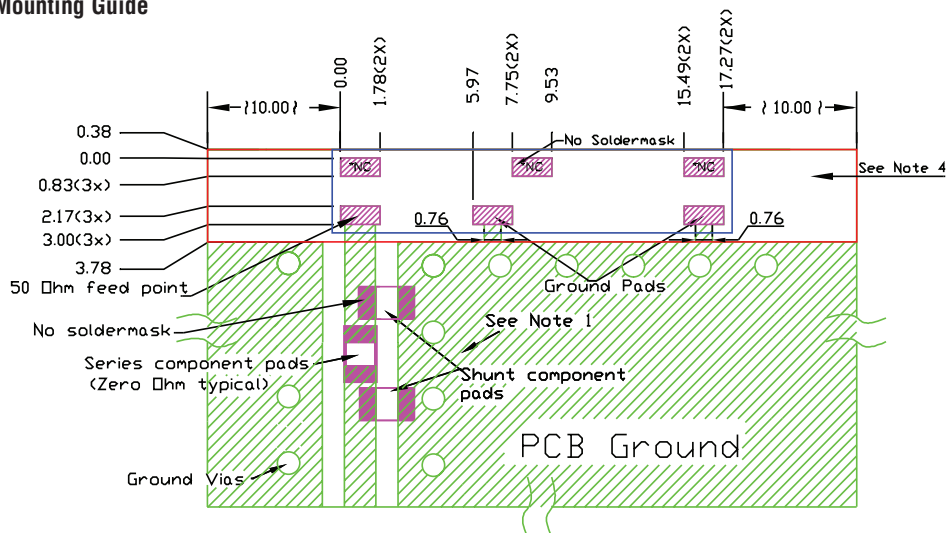


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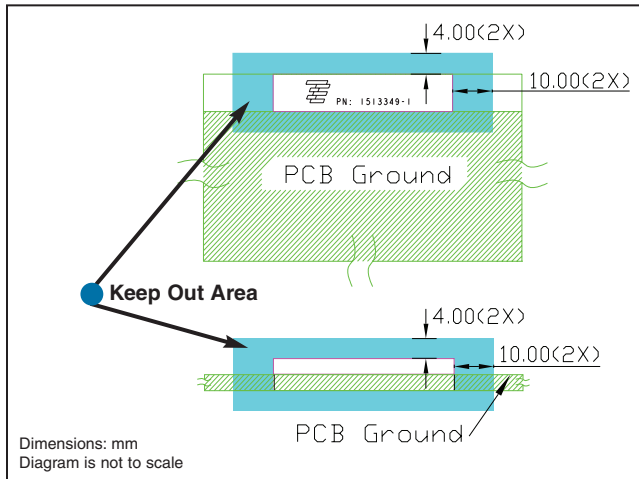
## Mounting Guide



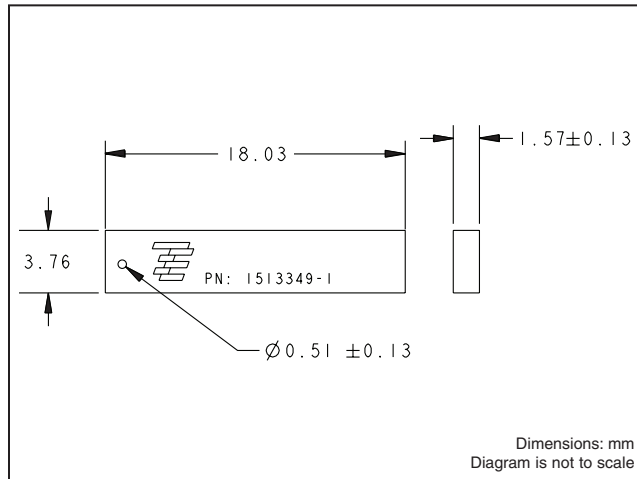
- NOTES:
1. Suggested matching component pads.
  2. Antenna must be mounted on the edge of PCB.
  3. NC = No connection (mechanical mounting pads).
  4. No copper allowed in designated area on all PCB layers –
  5. For more information please call TE.

Dimensions: mm  
Diagram is not to scale

## Keep Out Area



### Approx. Dimensions



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3-1773459-2-CIS-PDF-03-11

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Consult TE for the latest dimensions and design specifications.

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