

**902 – 928 MHz Single Band Antenna** (includes frequencies of 915 ISM and ZigBee US)

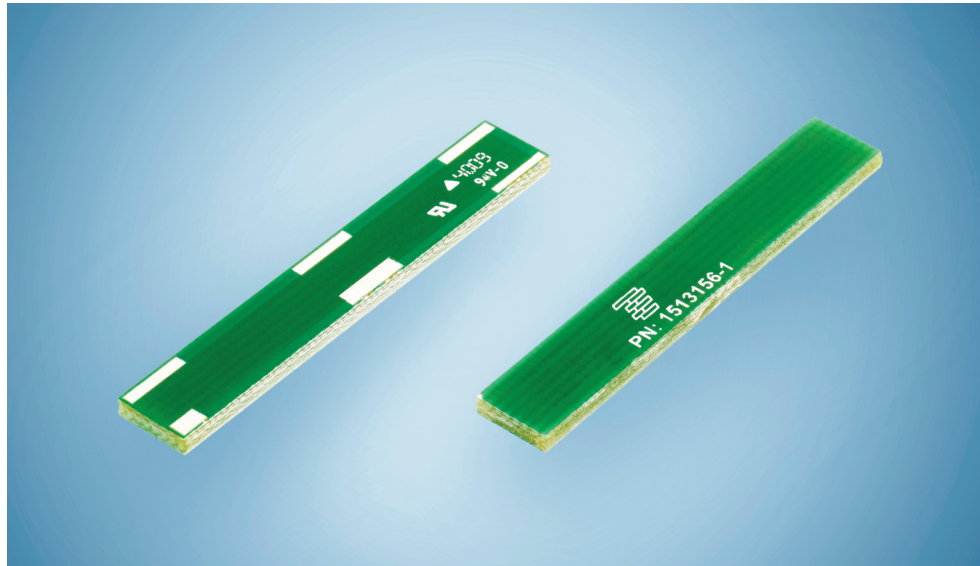
**Part Number: 1513156-1**

**Product Facts**

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

**Recommendations**

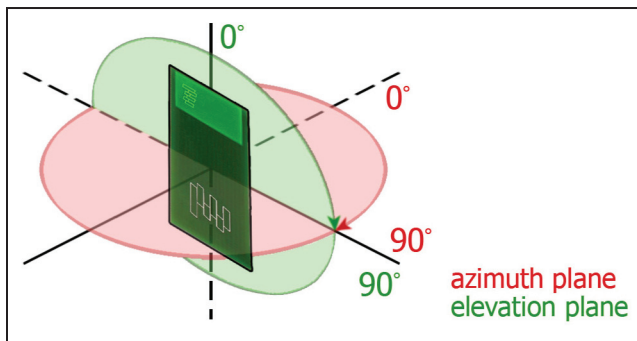
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 90 mm.
- PCB ground is to be on top layer.



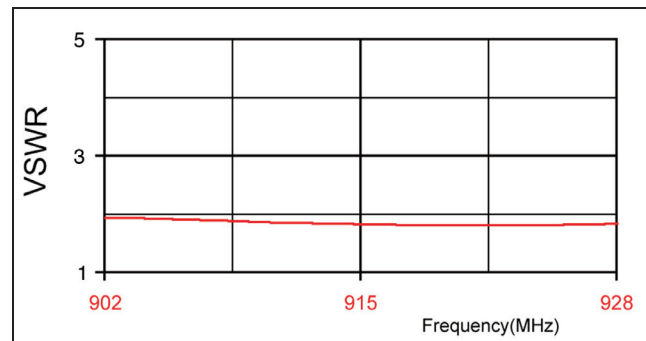
**Specifications**

|                       |                                      |
|-----------------------|--------------------------------------|
| Frequency Range (MHz) | 902 –928                             |
| Peak Gain             | +1 dBi                               |
| VSWR                  | < 2.5:1                              |
| Polarization          | Linear                               |
| Power Handling        | 10 Watt cw                           |
| Feed Point Impedance  | 50 Ohms unbalanced                   |
| Size                  | 38.10 mm x 6.60 mm x 1.57 mm         |
| Weight                | < 0.9 g.                             |
| Mounting              | Surface-mount technology. See page 2 |
| Keep Out Area         | See diagram on page 2                |

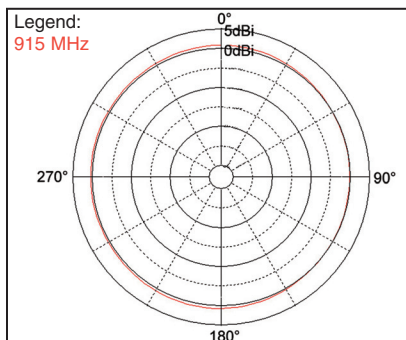
**Test Orientation in Free Space**



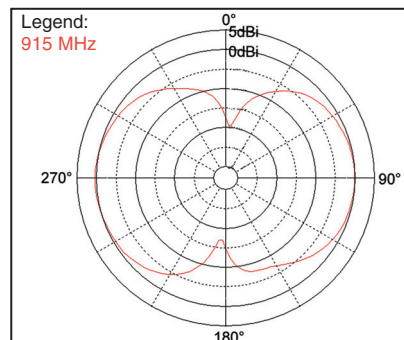
**VSWR**



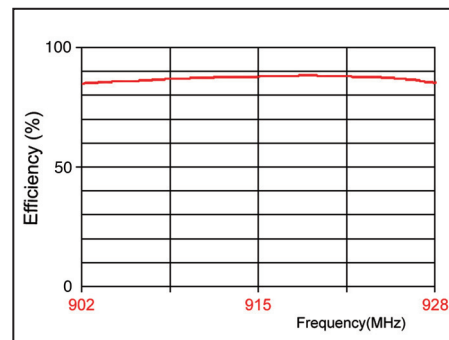
**Azimuth**



**Elevation**



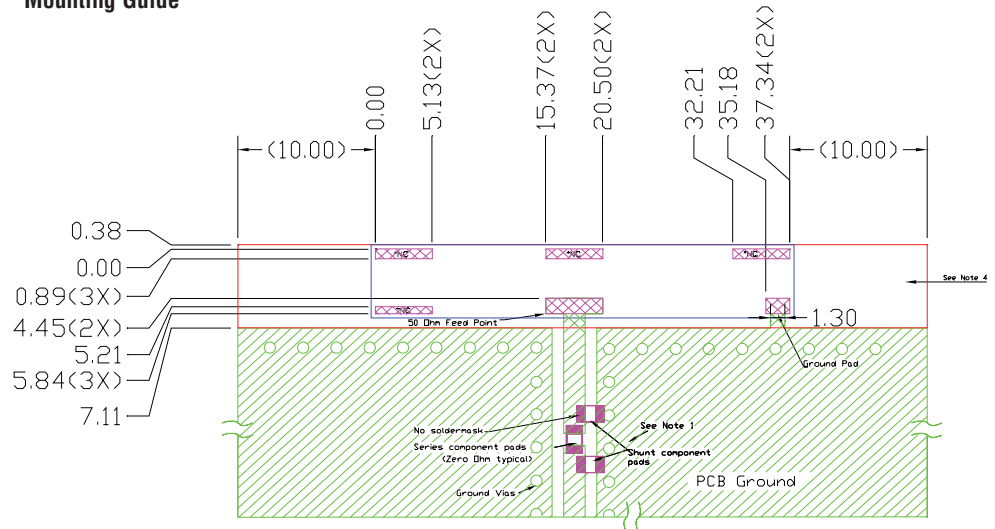
**Efficiency**



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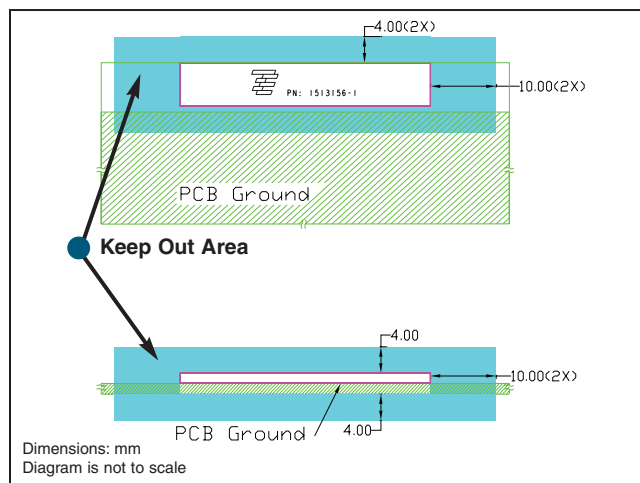
**Mounting Guide**



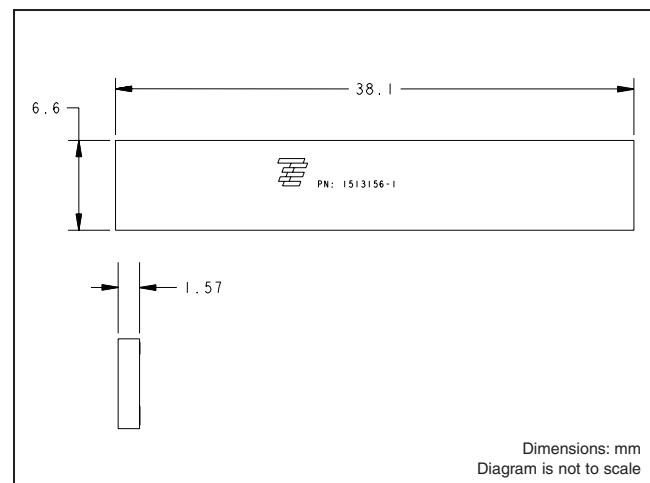
- NOTES:
1. Suggested matching component pads.
  2. Antenna must be mounted on the edge of PCB.
  3. NC = No connection (mechanical mounting pads).
  4. No copper allowed in designated area on all PCB layers –
  5. For more information please call TE.

Dimensions: mm  
Diagram is not to scale

**Keep Out Area**



**Approx. Dimensions**



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Consult TE for the latest dimensions and design specifications.

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