

1565 –1585 MHz Single Band Antenna (GPS)

Part Number: 1513634-1

Product Facts

- Small form factor enables use in virtually any wireless device.
- Available in Tape & Reel.
- RoHS compliant

Recommendations

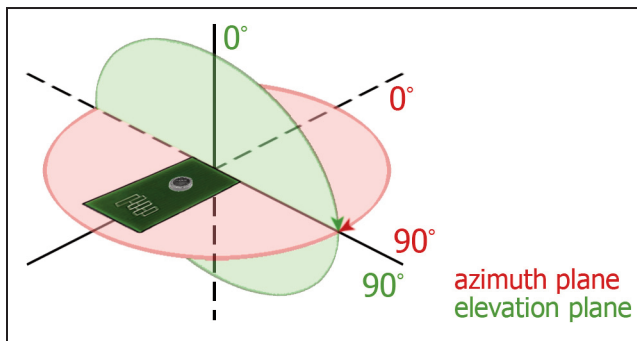
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 50 mm.
- PCB ground is to be on top layer.



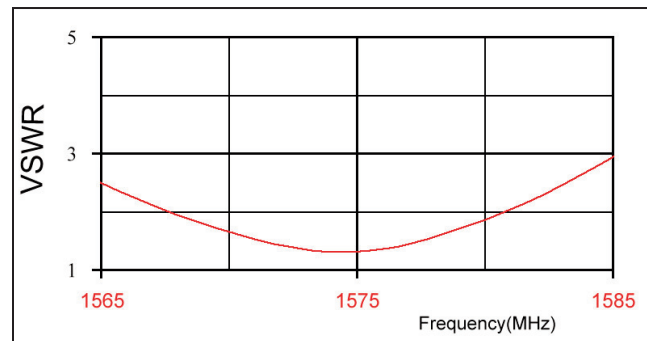
Specifications

| | |
|-----------------------|--------------------------------------|
| Frequency Range (MHz) | 1565 –1585 |
| Peak Gain | 0 dBi |
| VSWR | < 3.0:1 |
| Polarization | RHCP (right-hand circular) |
| 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 |

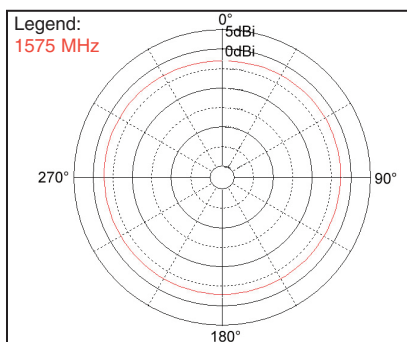
Test Orientation in Free Space



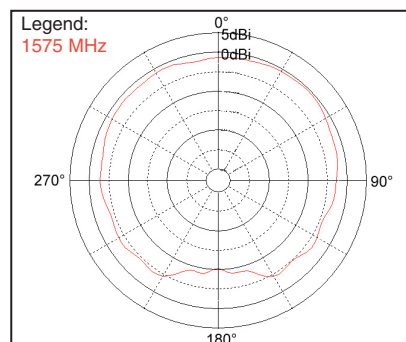
VSWR



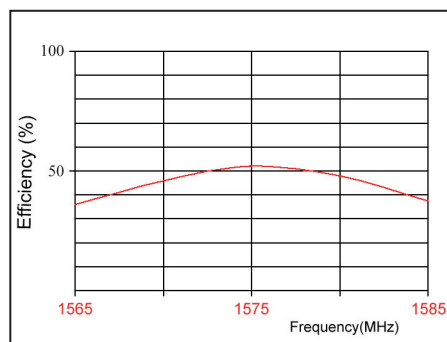
Azimuth



Elevation



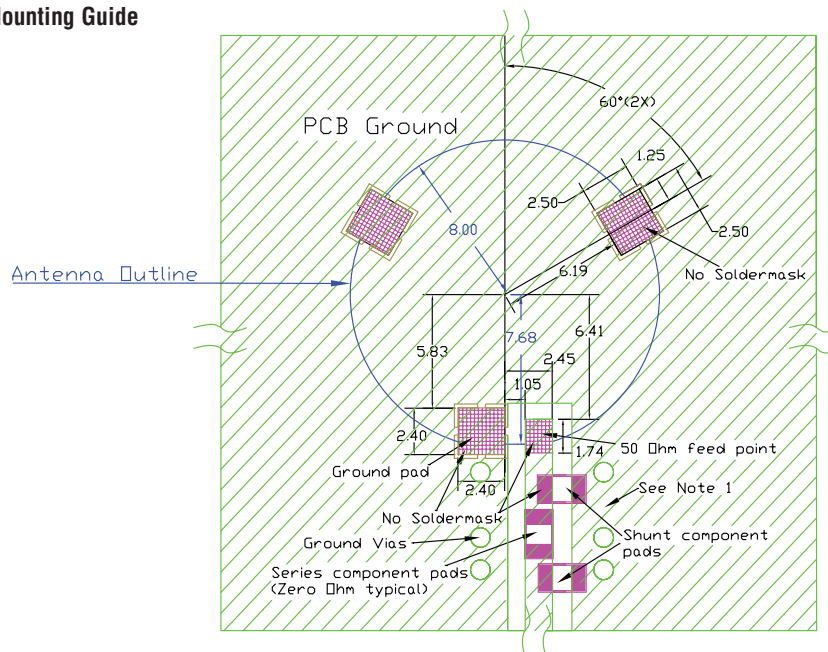
Efficiency



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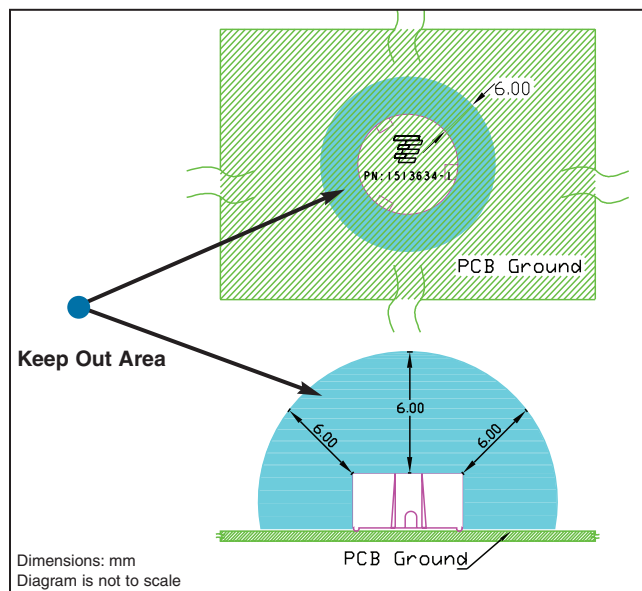
Mounting Guide



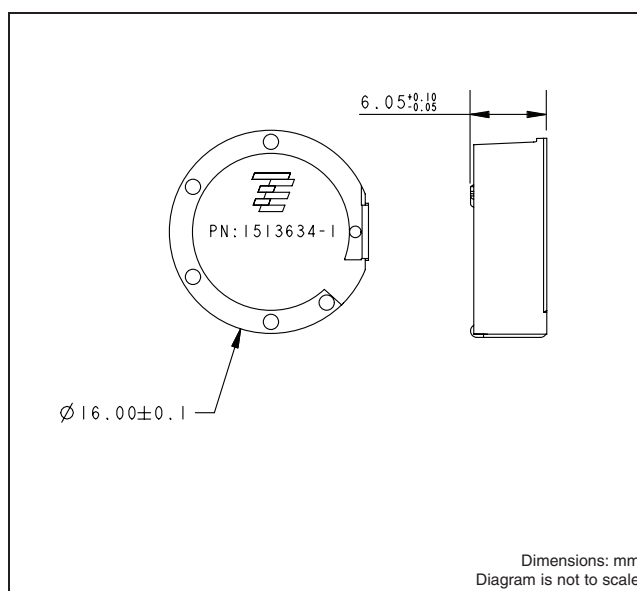
- NOTES: 1. Suggested matching component pads.
2. For more information please call TE.

Dimensions: mm
Diagram is not to scale

Keep Out Area



Approx. Dimensions



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Consult TE for the latest dimensions and design specifications.

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