

2400 –2483.5 & 5150 –5875 MHz Dual Band Antenna
(802.11 a/b/g/n, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

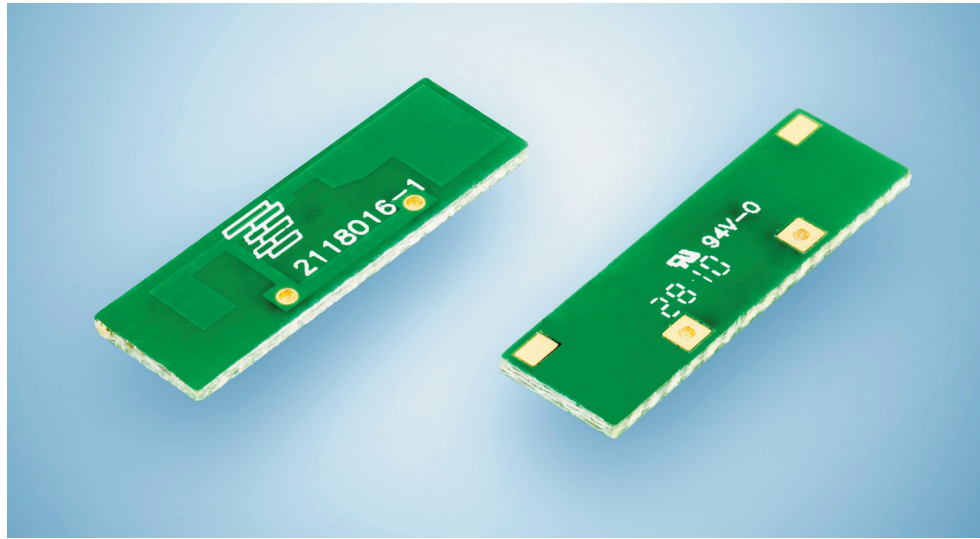
Part Number: 2118016-1

Product Facts

- This small embedded antenna provides the most reliable easy-to-use, adjustment-free antenna technology for handling during assembly and implementation by developers.
- RoHS compliant

Recommendations

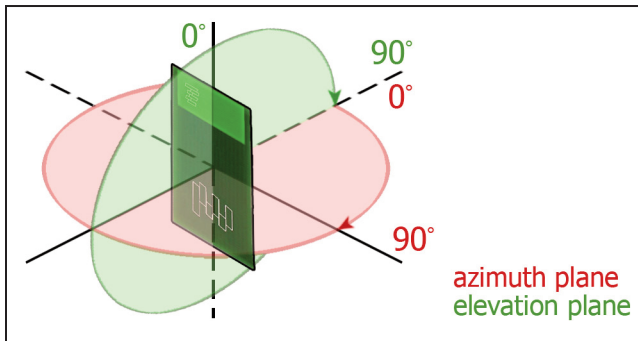
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 30 mm.
- PCB ground is to be on top layer.



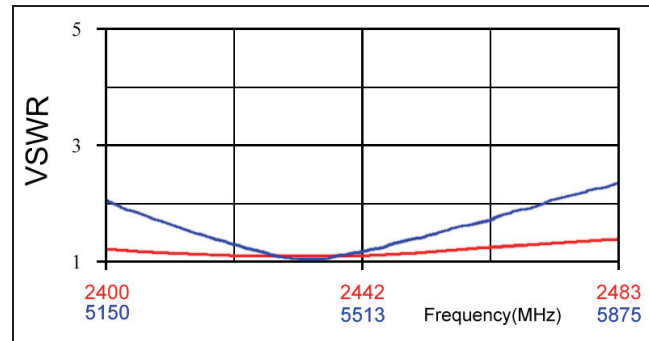
Specifications

| | |
|-----------------------|--------------------------------------|
| Frequency Range (MHz) | 2400 –2483.5; 5150 –5875 |
| Peak Gain | + 2 dBi |
| VSWR | < 3.0:1 |
| Polarization | Linear |
| Azimuth Beamwidth | Omni-directional |
| Power Handling | 10 Watt cw |
| Feed Point Impedance | 50 Ohms unbalanced |
| Size | 18.90 mm x 6.20 mm x 0.79mm |
| Weight | < 0.3 g. |
| Mounting | Surface-mount technology. See page 2 |
| Keep Out Area | See diagram on page 2 |

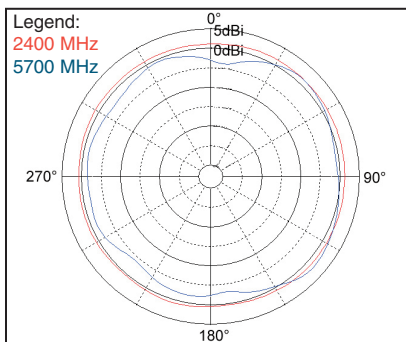
Test Orientation in Free Space



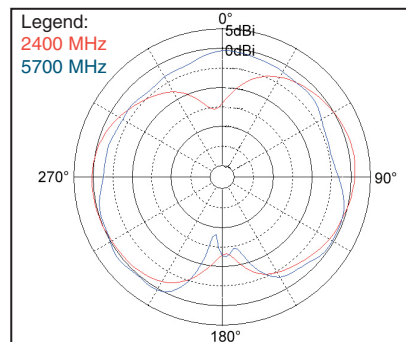
VSWR



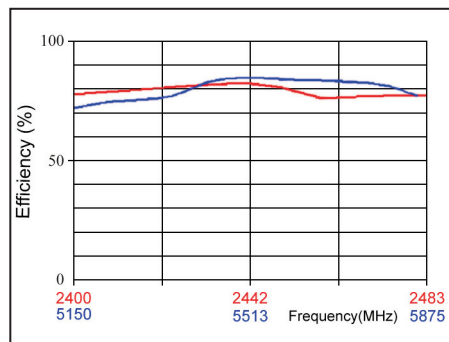
Azimuth



Elevation



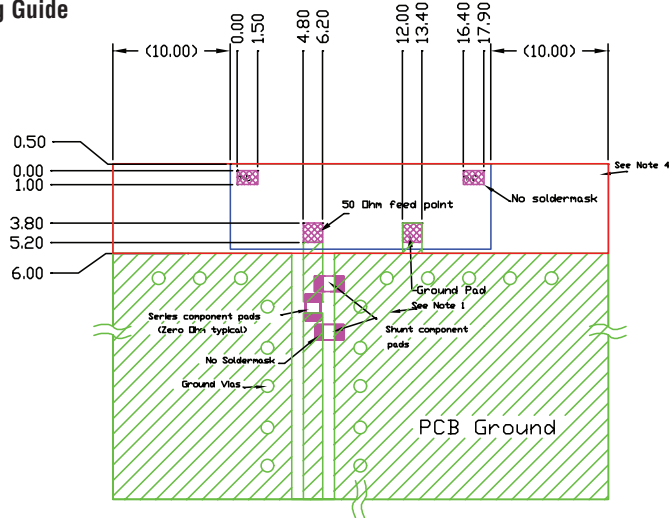
Efficiency



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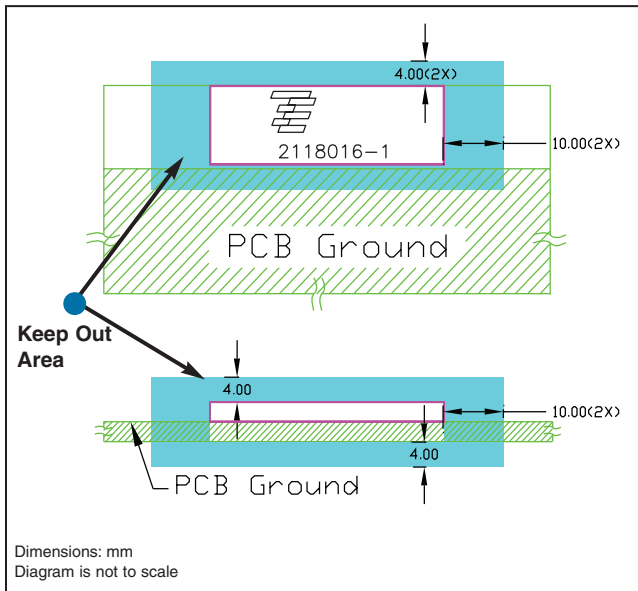
Mounting Guide



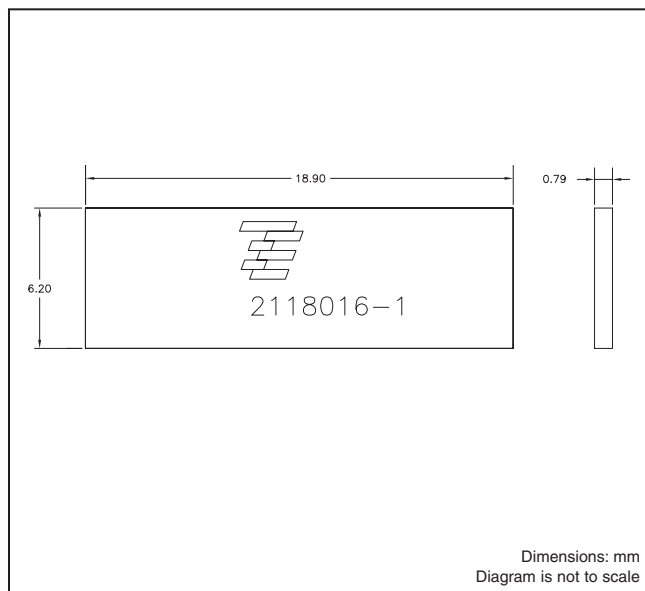
- NOTES:
1. Suggested matching component pads.
 2. Antenna must be mounted on the edge of PCB.
 3. NC = No connection (mechanical mounting pads).
 4. No copper allowed in designated area on all PCB layers –
 5. For more information please call TE.

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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