

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 Numbers:

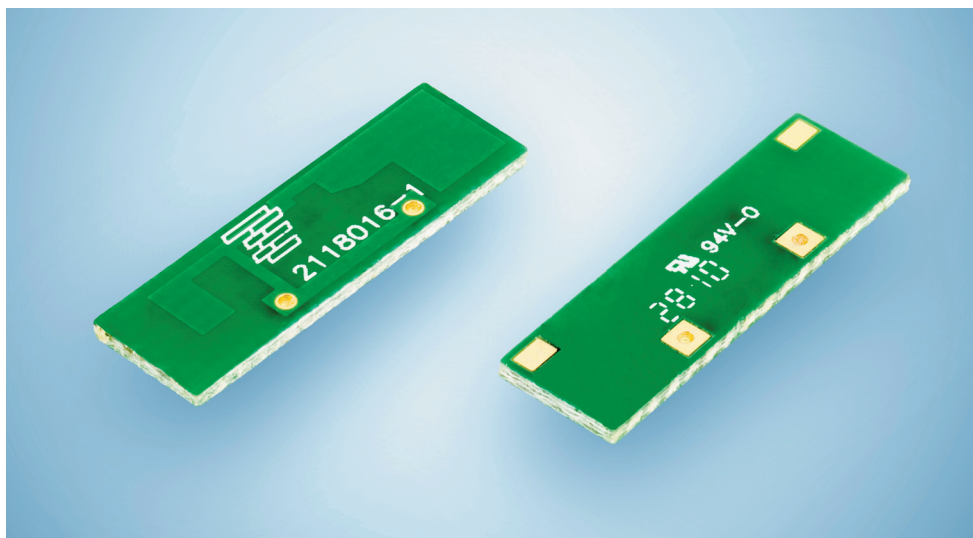
2118016-1, 2118016-2

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

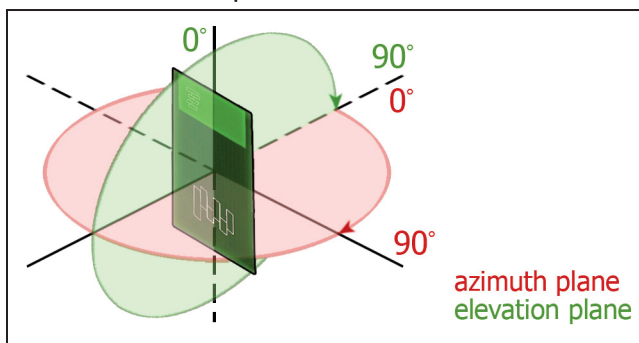
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 30 mm. PCB ground is to be on top layer.



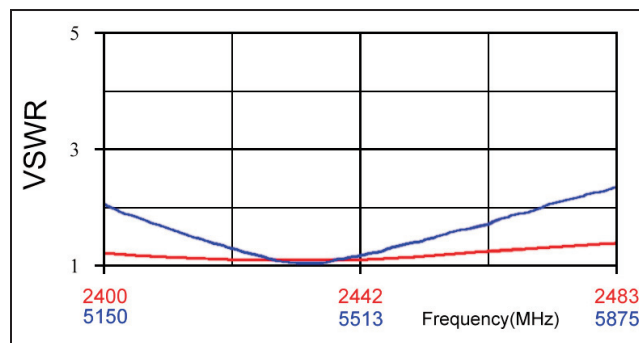
Specifications

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

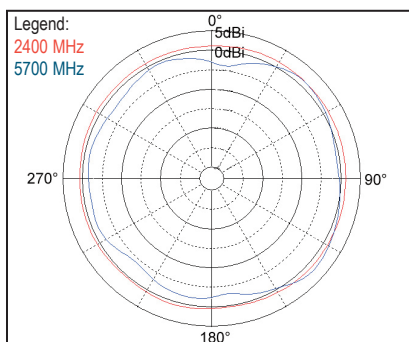
Test Orientation in Free Space



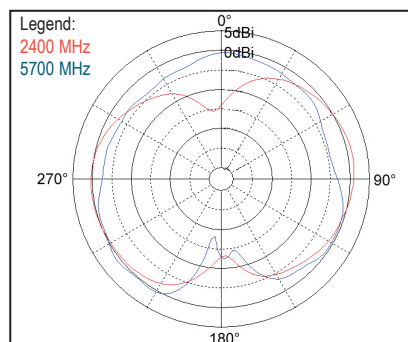
VSWR



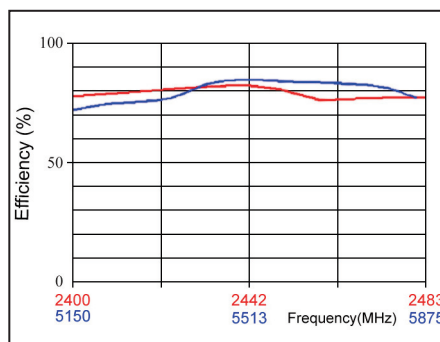
Azimuth



Elevation



Efficiency



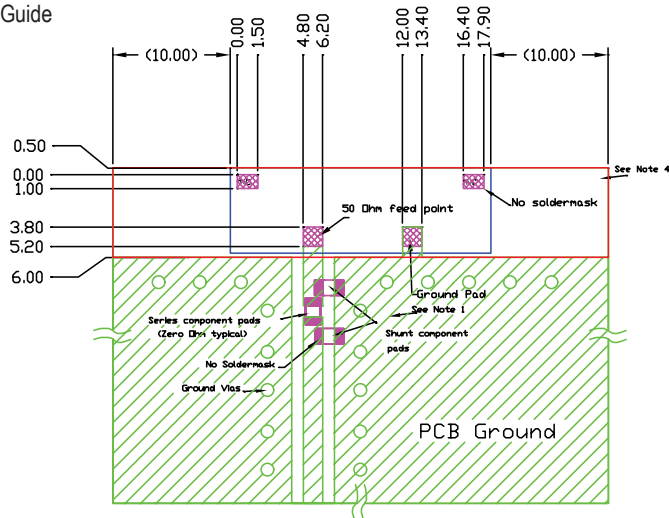
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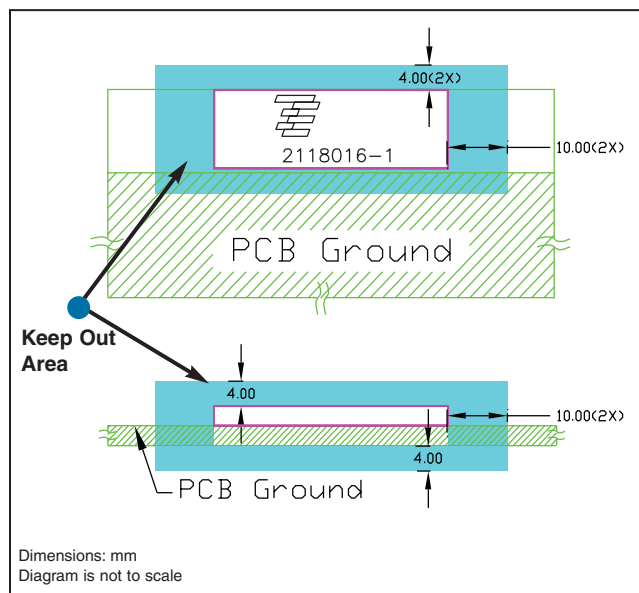
Mounting Guide



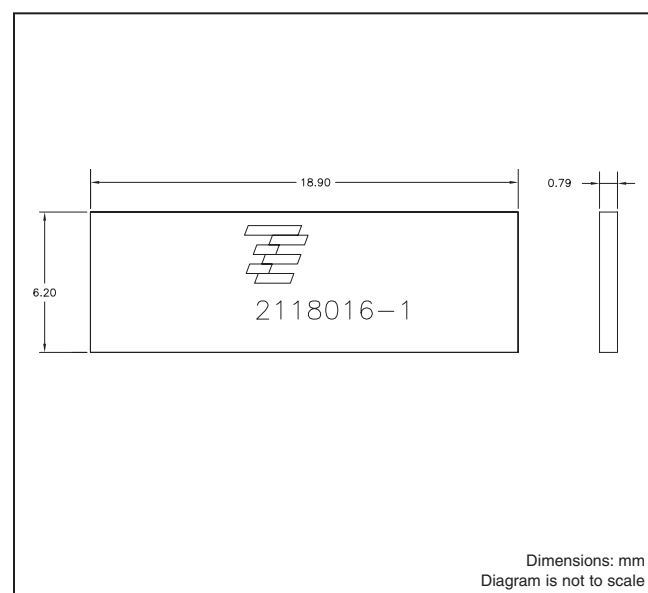
- NOTES:
1. Suggested matching component pads.
 2. Antenna must be mounted on the edge of PCB.
 3. NC = No connection (mechanical mounting pads).
 4. No copper allowed in designated area on all PCB layers –
 5. For more information please call TE.

Dimensions: mm
Diagram is not to scale

Keep Out Area



Approx. Dimensions



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4-1773459-4-CIS-PDF-02-18

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Consult TE for the latest dimensions and design specifications.

9565 Soquel Drive
Aptos, CA 95003
(+ 831) 662-1174
<http://www.antenna.te.com>