

**4900-5875 MHz Single Band Antenna**  
(IEEE 802.11 a/g/n/ac, includes frequencies of Wi-Fi products)

**Part Number: 2118316-1**

**Product Facts**

- This small embedded antenna provides the most reliable easy-to-use, and adjustment-free antenna technology for handling during assembly and implementation by developers.
- Available in tray (2118316-2) or tape & reel (2118316-1) for automatic mounting.
- RoHS compliant.



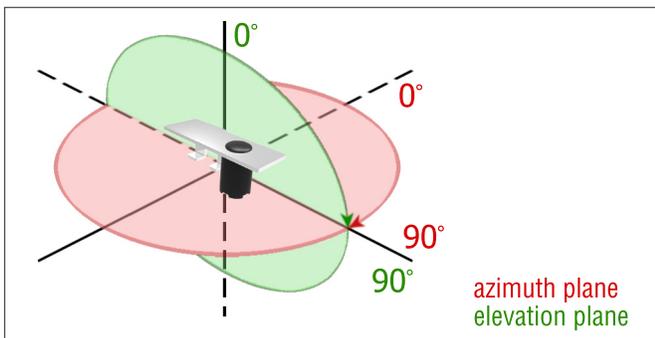
**Recommendations**

- 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 15 mm.
- PCB ground is to be on top layer.

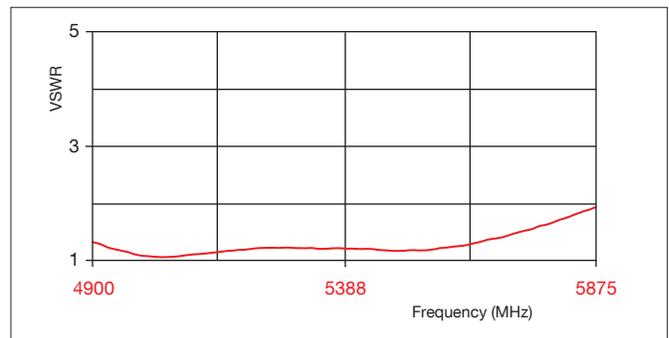
**Specifications**

Frequency Range (MHz)	4900–5875
Peak Gain	+4.9 dBi
VSWR	< 2.5:1
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Power Handling	3 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	11.00 mm x 4.25 mm x 4.90 mm
Weight	0.2 g.
Mounting	Surface-mount technology. See diagram on page 2.
Keep Out Area	See diagram on page 2.
Reflow Temperature	240°C PB free
Operating Temperature	-40°C ~ 85°C

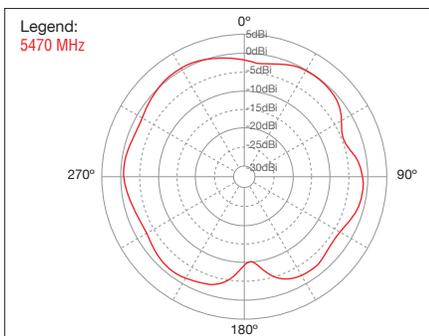
**Test Orientation in Free Space**



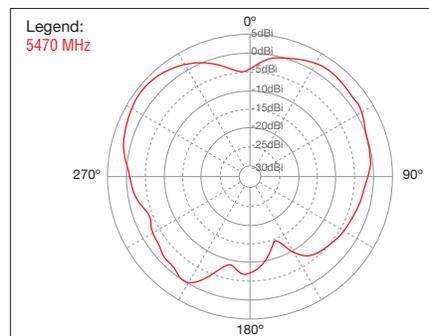
**VSWR**



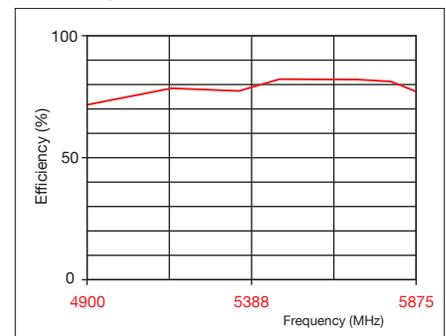
**Azimuth**



**Elevation**



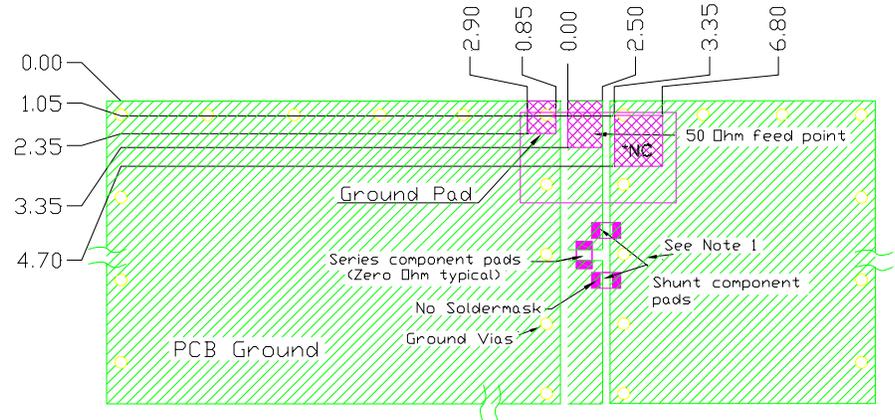
**Efficiency**



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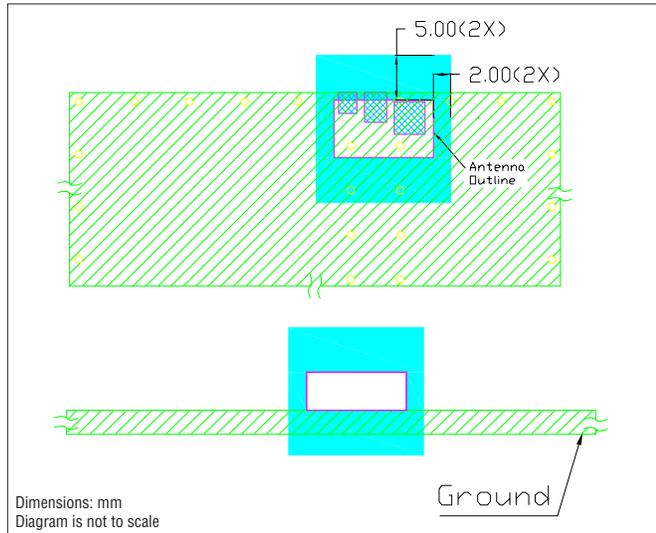
**Mounting Guide**



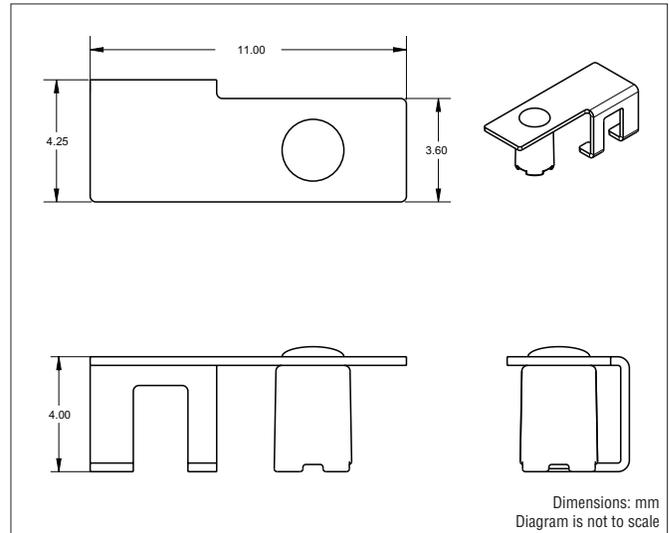
Dimensions: mm  
Diagram is not to scale

- NOTES:**
1. Suggested matching component pads.
  2. Antenna must be mounted on the edge of PCB.
  3. NC = No connection (mechanical mounting pads).
  4. For more information please call TE.

**Keep Out Area**



**Approx. Dimensions**



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Consult TE for the latest dimensions and design specifications.

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