

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.



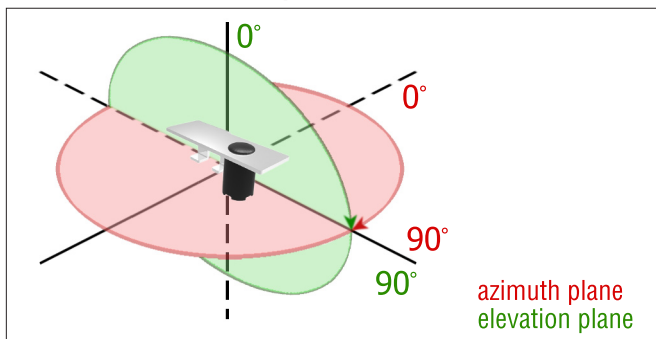
Recommendations

- 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.

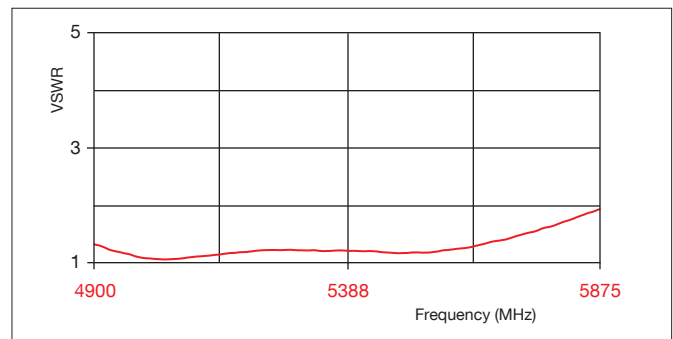
Specifications

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

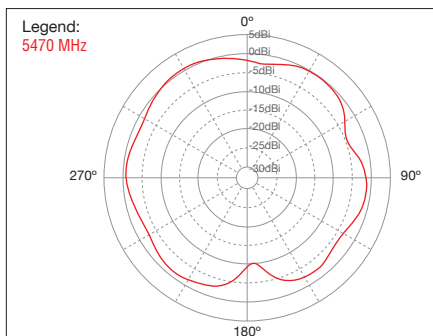
Test Orientation in Free Space



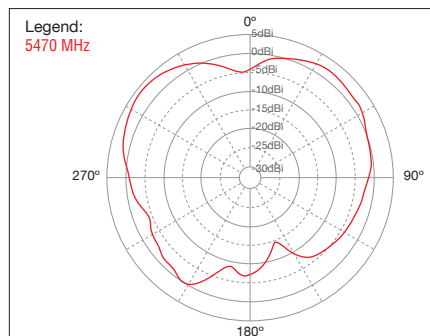
VSWR



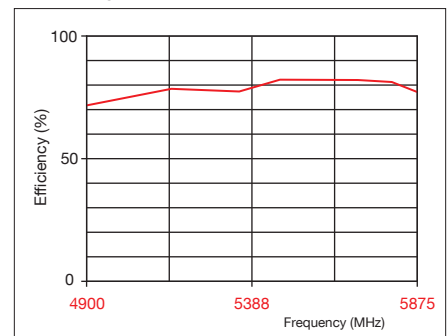
Azimuth



Elevation



Efficiency

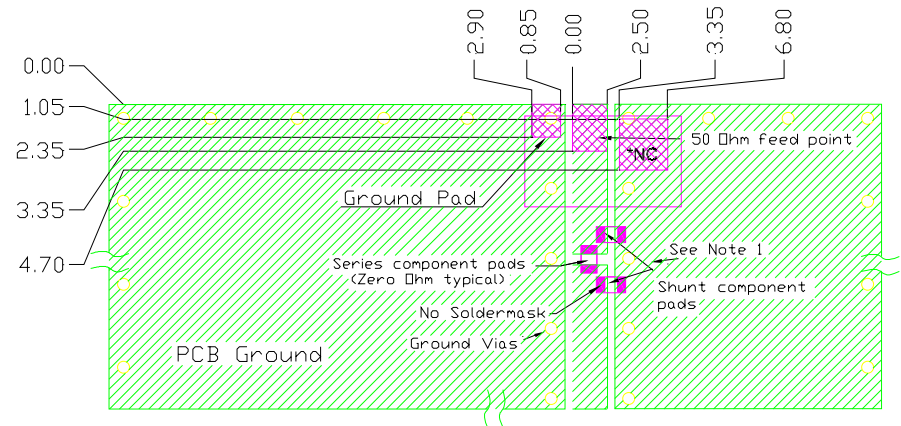


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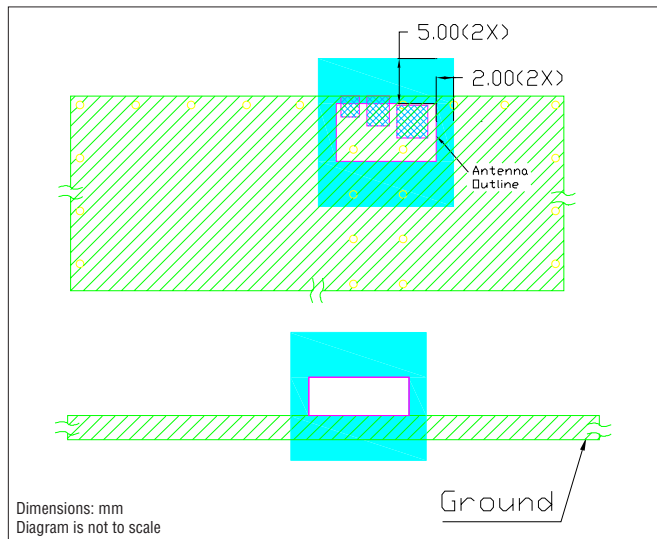
Mounting Guide



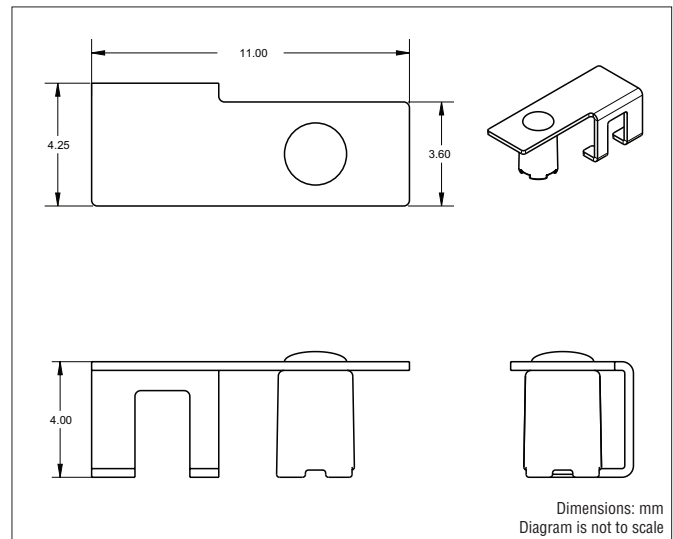
Dimensions: mm
Diagram is not to scale

- 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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