

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.

4900-5875 MHz Single Band Antenna

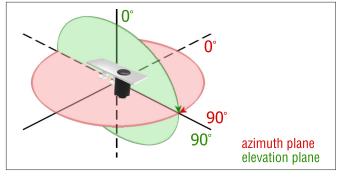
(IEEE 802.11 a/g/n/ac, includes frequencies of Wi-Fi products)



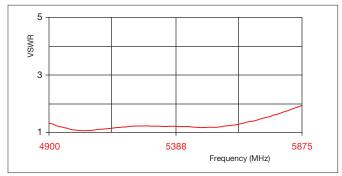
Specifications

•	
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.

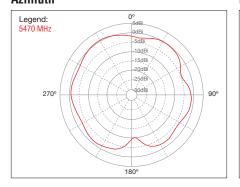
Test Orientation in Free Space



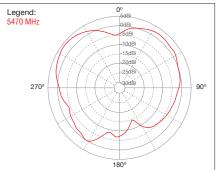
VSWR



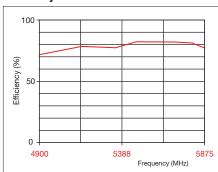
Azimuth



Elevation



Efficiency



USA: 1-800-522-6752 Canada: 1-905-475-6222 Germany: +49 (0) 6251-133-1999

UK: +44 (0) 800-267666 Netherlands: +31 (0) 73-6246-999 China: +86 (0) 400-820-6015

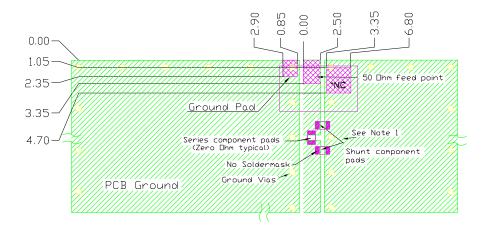


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Mounting Guide

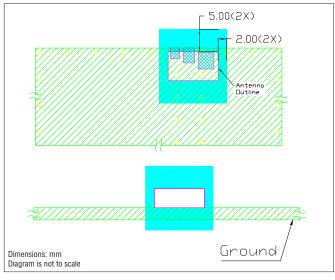


Dimensions: mm Diagram is not to scale

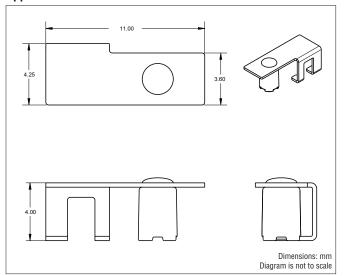
NOTES:

- 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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Dimensions are in inches and milli-

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Consult TE for the latest dimensions and design specifications.

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