

824 – 894 MHz Single Band Antenna (US Cellular and includes frequencies of ZigBee EU)

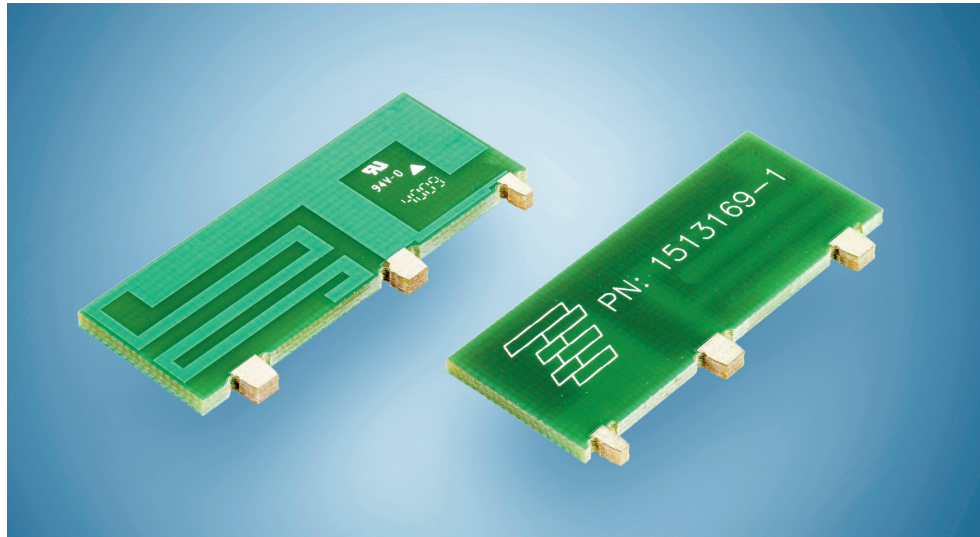
Part Number: 1513169-1

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.
- RoHS compliant

Recommendations

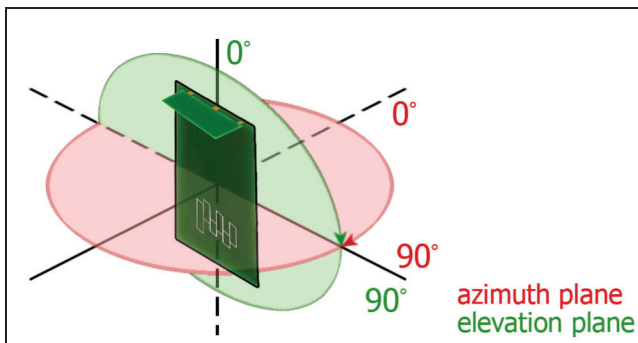
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 100 mm.



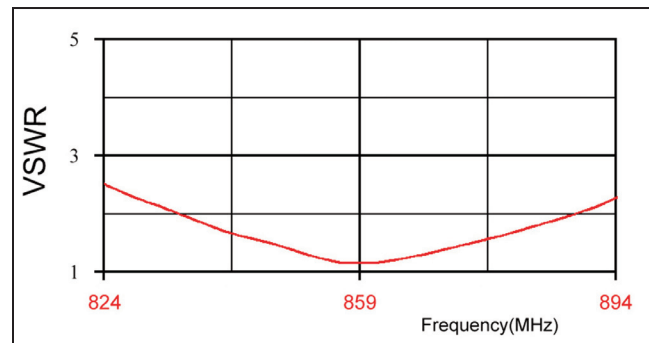
Specifications

Frequency Range (MHz)	824 – 894
Peak Gain	+ 2 dBi
VSWR	< 2.5:1
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	38.10 mm x 15.24 mm x 1.57 mm
Weight	< 2 g.
Mounting	Tab mounted with plated through holes. See page 2
Keep Out Area	See diagram on page 2

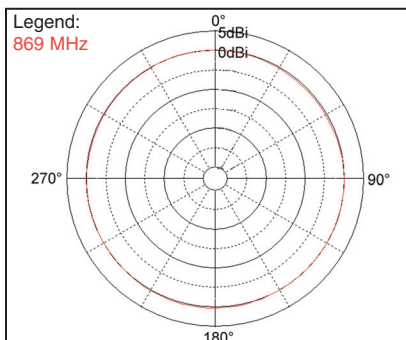
Test Orientation in Free Space



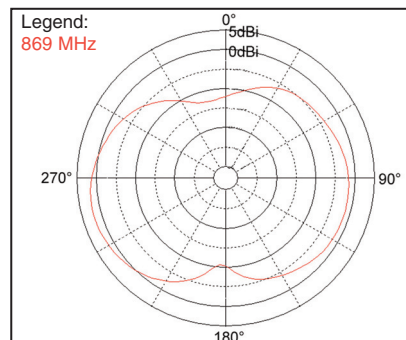
VSWR



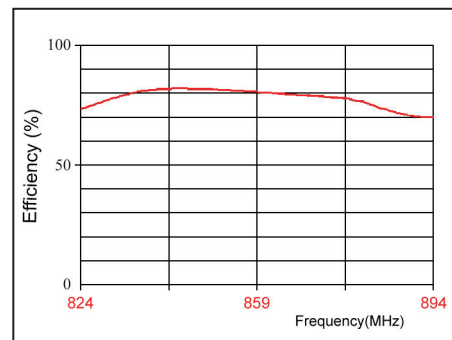
Azimuth



Elevation



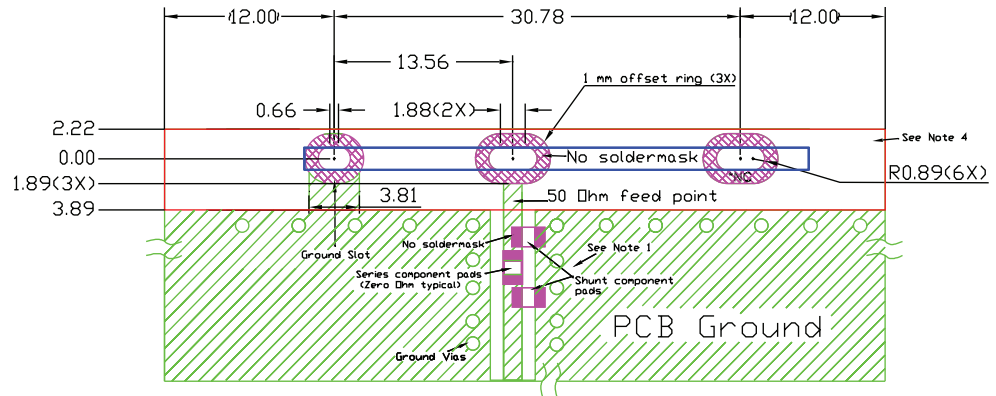
Efficiency



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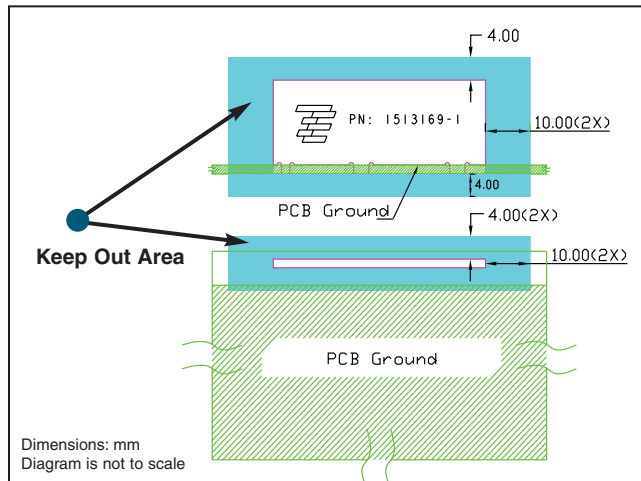
Mounting Guide



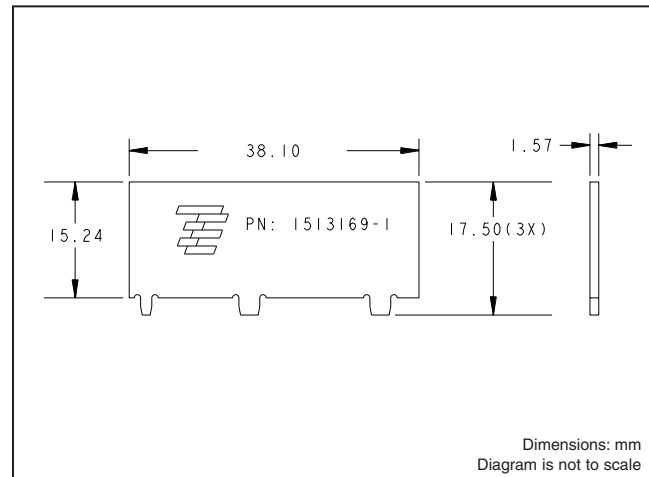
- NOTES:
1. Suggested matching component pads.
 2. Antenna must be mounted on the edge of PCB.
 3. NC = No connection (mechanical mounting pads).
 4. No copper allowed in designated area on all PCB layers –
 5. For more information please call TE.

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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