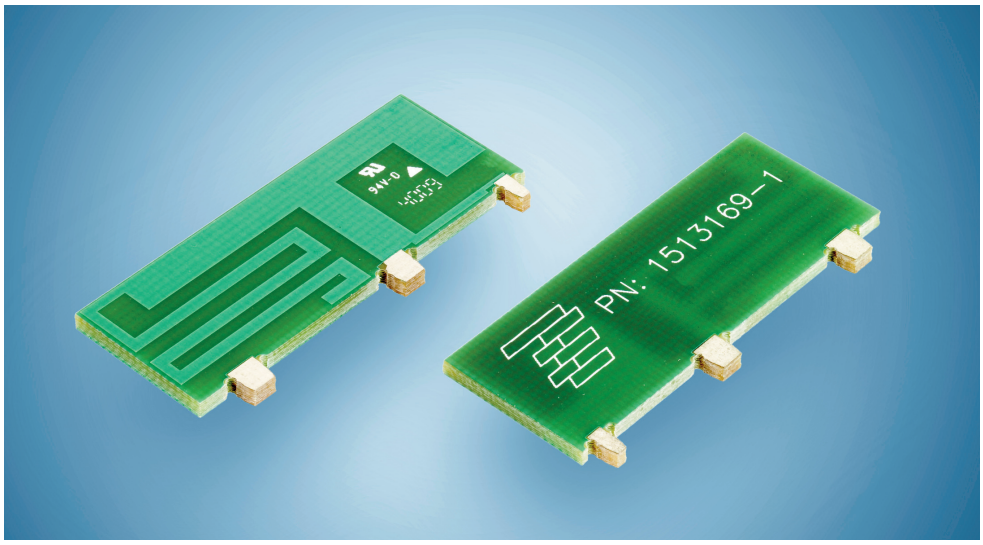
824 – 894 MHz Single Band Antenna (US Cellular and includes frequencies of ZigBee EU)

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

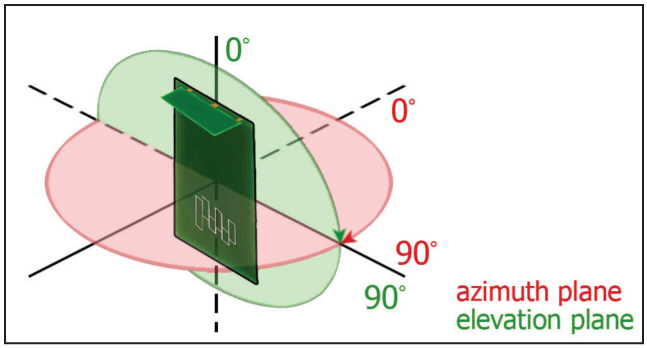
Recommendations

- 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.

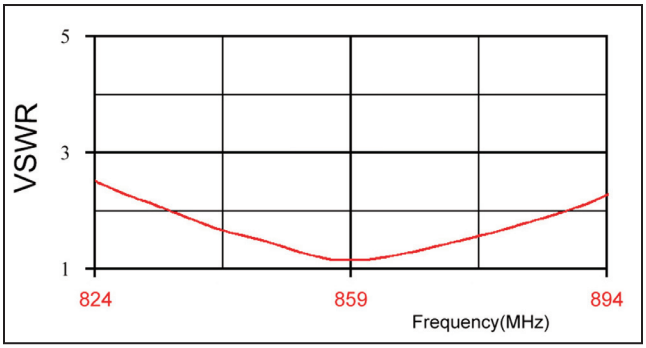
Specifications

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

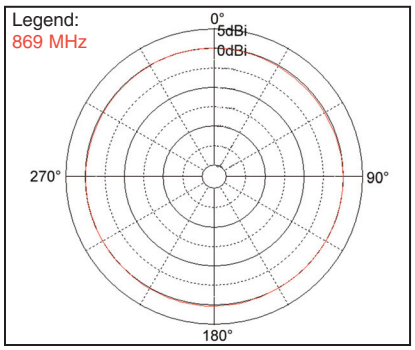
Test Orientation in Free Space



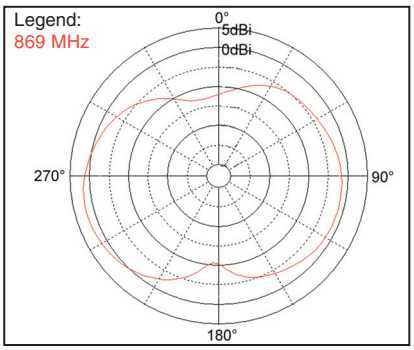
VSWR



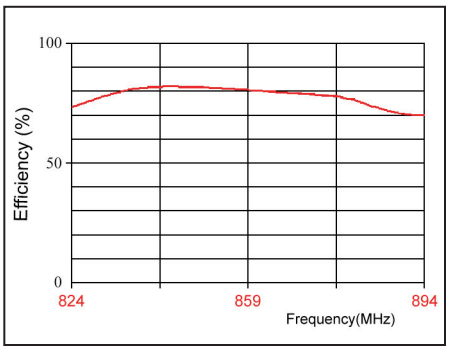
Azimuth



Elevation



Efficiency



Catalog 2-1773459-6
Revised 03-11

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www.antenna.te.com

Dimensions are in inches and millimeters unless otherwise sspecified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

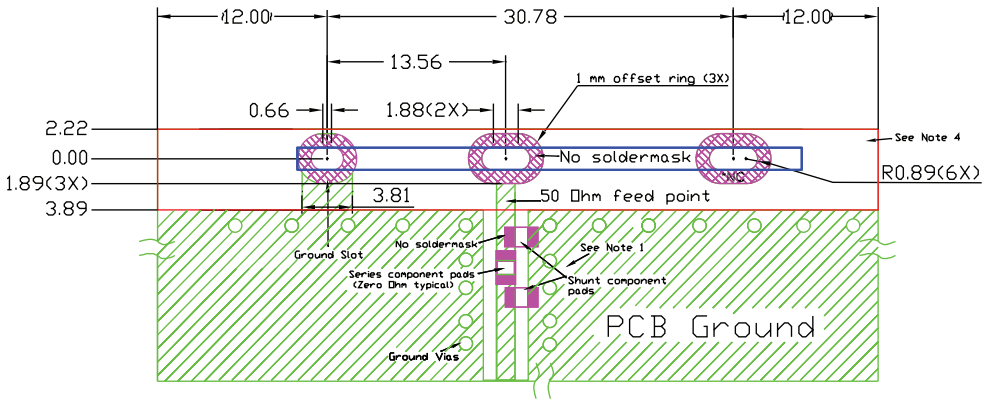
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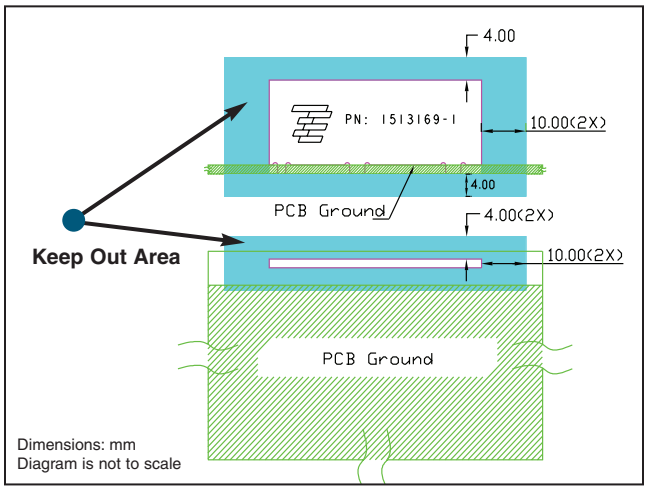
Mounting Guide



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.

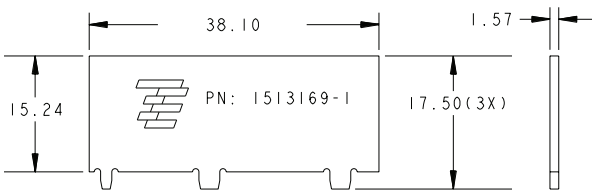
Dimensions: mm
Diagram is not to scale

Keep Out Area



Dimensions: mm
Diagram is not to scale

Approx. Dimensions



Dimensions: mm
Diagram is not to scale

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Consult TE for the latest dimensions and design specifications.

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