

**824 – 894 & 1850 – 1990 MHz Dual Band Antenna (US Dual Band)**

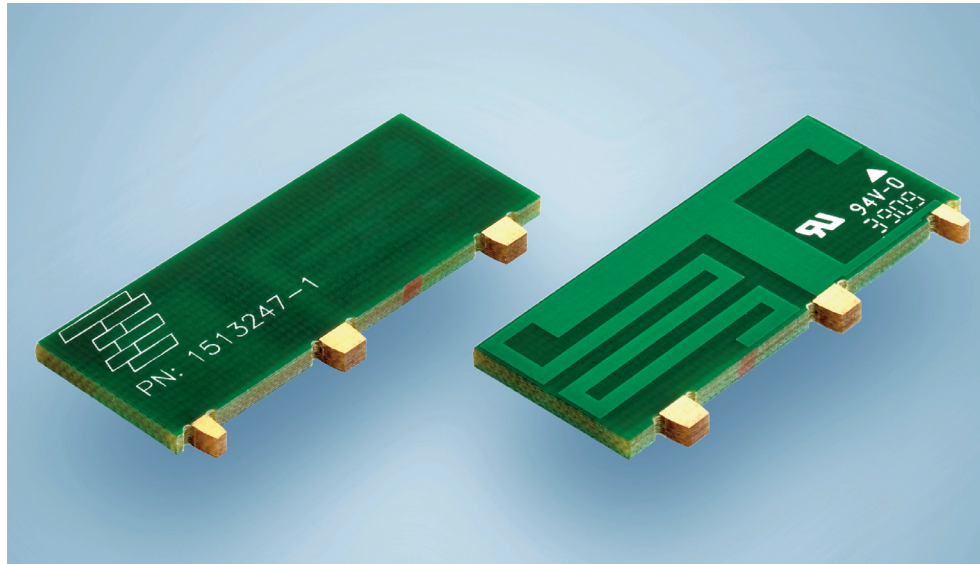
**Part Number: 1513247-1**

**Product Facts**

- Small and lightweight.
- RoHS compliant

**Recommendations**

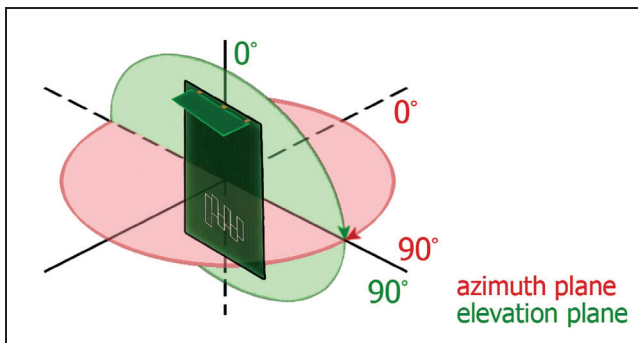
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 100 mm.



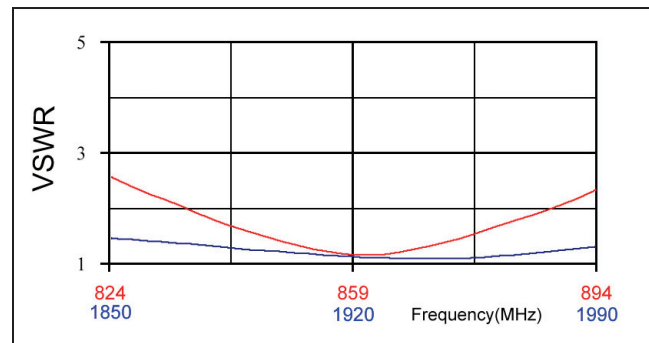
**Specifications**

Frequency Range (MHz)	824 – 894; 1850 – 1990
Peak Gain	0 dBi; +3 dBi
VSWR	< 3.0:1; < 3.0:1
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms
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

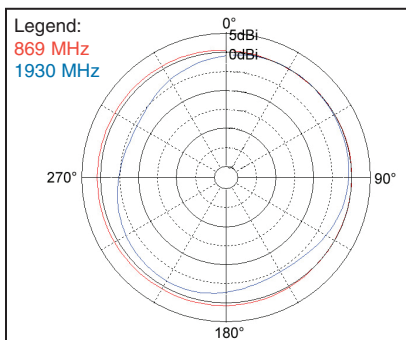
**Test Orientation in Free Space**



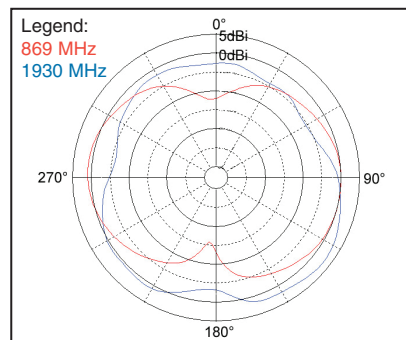
**VSWR**



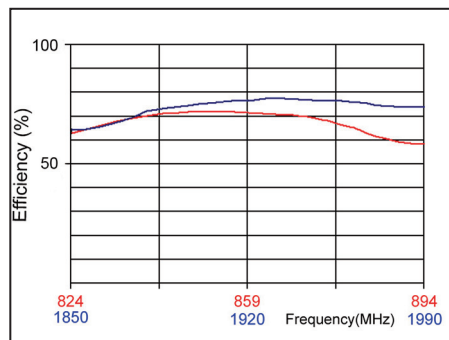
**Azimuth**



**Elevation**



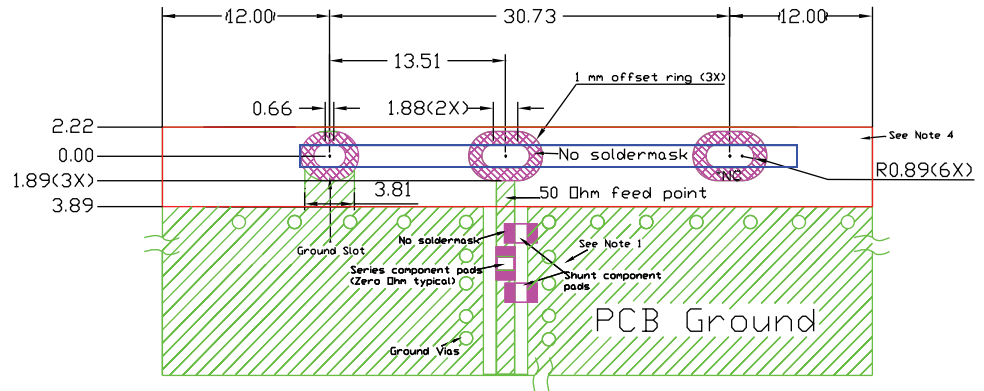
**Efficiency**



**824 –894 & 1850 –1990 MHz Dual Band Antenna (US Dual Band)**

**Part Number: 1513247-1**

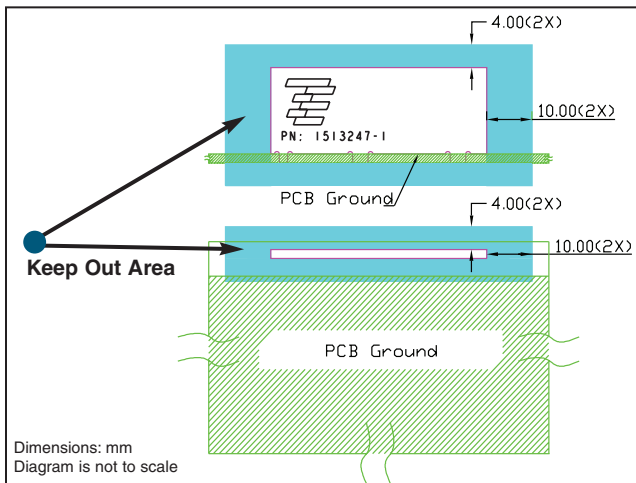
**Mounting Guide**



- 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.

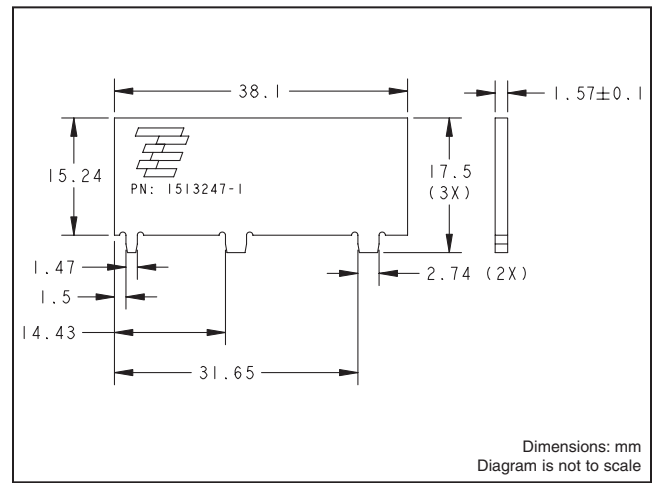
Dimensions: mm  
Diagram is not to scale

**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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