

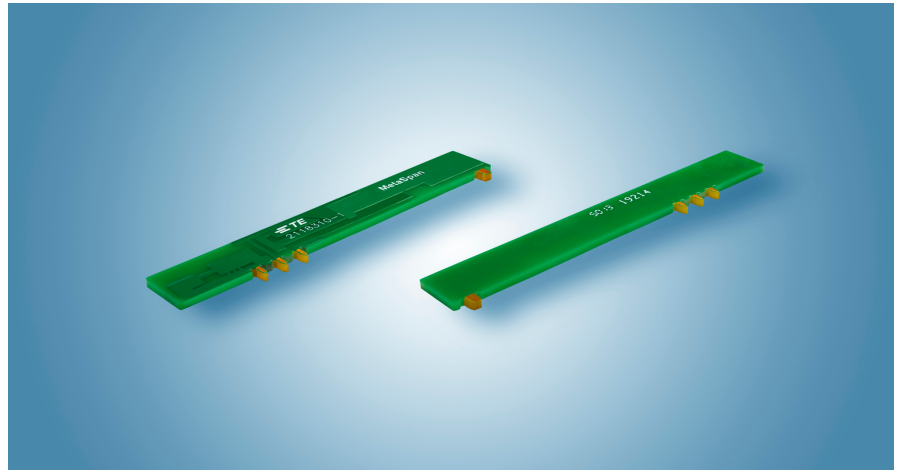
698-960, 1710-2170 & 2300-2700 MHz LTE/Cell Band Antenna

(includes frequencies of LTE, UMTS, US Dual, EU Triband, and WCDMA products)

Part Number: 2118310-1

Product Facts

- This MetaSpan antenna product uses metamaterial technology to cover virtually all cell bands in one compact antenna assembly.
- RoHS compliant.



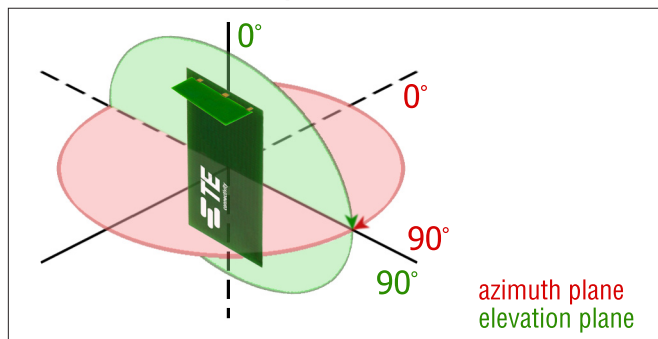
Recommendations

- Minimum or no matching circuits required.
- Bandwidth and performance are dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 120 mm.
- PCB ground is to be on top layer.

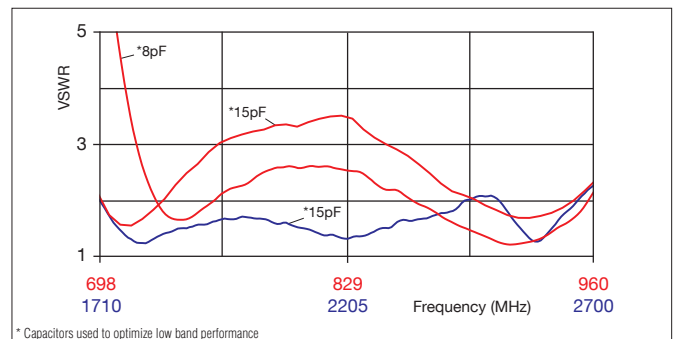
Specifications

Frequency Range (MHz)	698–960; 1710-2170; 2300–2700
Peak Gain	+3.5 dBi
VSWR	< 3.0:1 tunable
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Power Handling	3 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	74.0 mm x 10.56 mm x 1.57 mm
Weight	2.55 g.
Mounting	Tab mounted with plated through holes. See page 2.
Keep Out Area	See diagram on page 2.

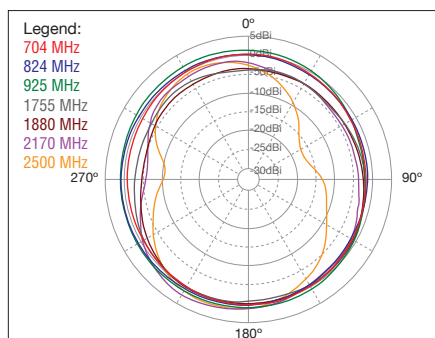
Test Orientation in Free Space



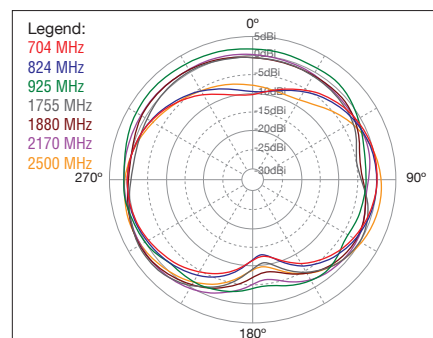
VSWR



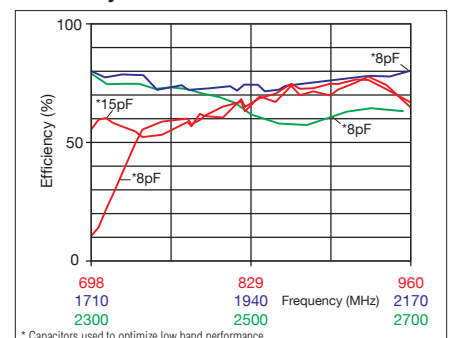
Azimuth



Elevation



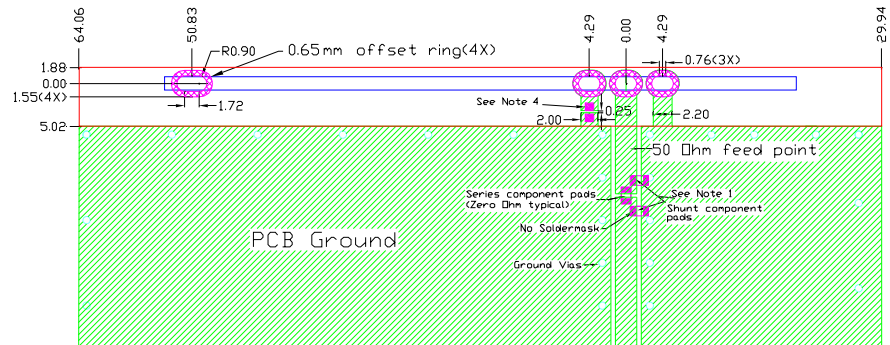
Efficiency



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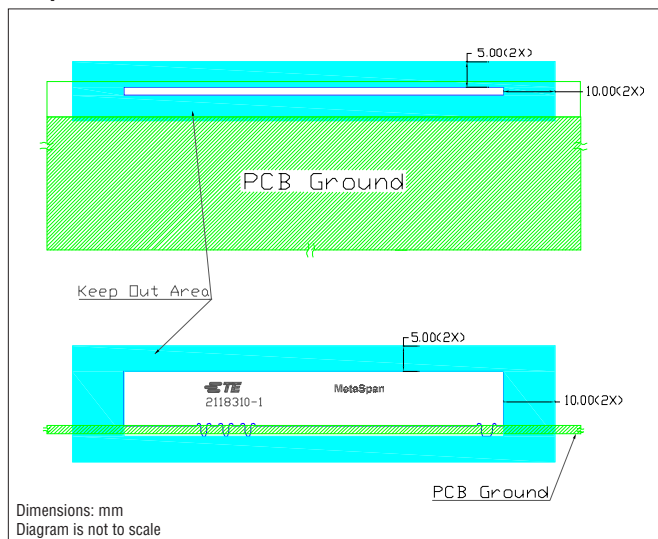
Mounting Guide



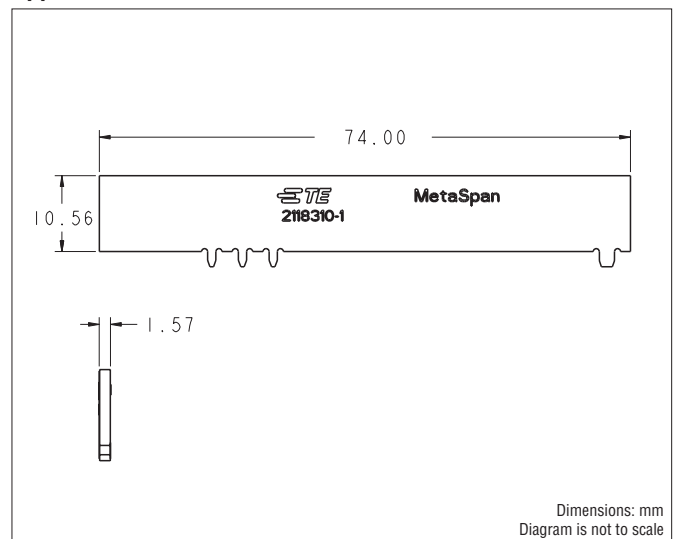
Dimensions: mm
Diagram is not to scale

- NOTES:**
1. Suggested matching component pads.
 2. Antenna must be mounted on the edge of PCB.
 3. No copper allowed in designated area on all PCB layers – 
 4. Capacitor used to optimize low band performance
 5. For more information please call TE.

Keep Out Area



Approx. Dimensions



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1-1773726-4-CSD-PDF-04-14

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Consult TE for the latest dimensions and design specifications.

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