698-960, 1710-2170 & 2300-2700 MHz LTE/Cell BAND ANTENNA

Standard Antenna Solutions

LTE, US Dual, EU Triband and WCDMA product

Part Number: 2108994-1

PRODUCT FACTS:

• Small and lightweight
• Available in Tape & Reel for Automatic mounting
• RoHS compliant

RECOMMENDATIONS:

• Minimum matching circuits required
• Bandwidth and performance is dependent on ground plane size
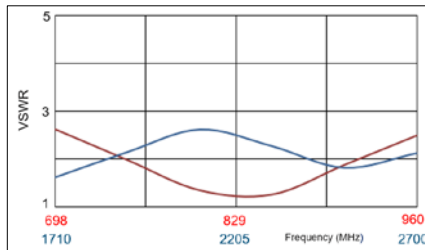The following data was measured with 140mm ground size.
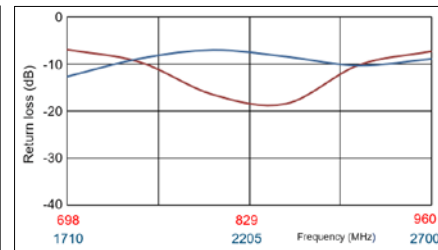*PCB ground is to be on tops layer.

SPECIFICATIONS:

• Frequency Range: 698 - 960 MHz;
  1710 - 2170 MHz, 2300 - 2700 MHz
• Peak Gain:
  0.7 dBi @ 710 MHz
  0.9 dBi @ 824 MHz
  1.1 dBi @ 925 MHz
  2.3 dBi @ 1755 MHz
  2.2 dBi @ 1880 MHz,
  0.7 dBi @ 2170 MHz
  1.3 dBi @ 2500 MHz
• VSWR: < 3.0
• Return loss: < -7.0 dB
• Polarization: Linear
• Power Handling: 3 Watt cw
• Size: 40.0 mm x 10.0 mm x 3.2 mm
• Weight: 2.5g
• Keep Out Area: See diagram on page 3
• Mounting: Surface-mount technology
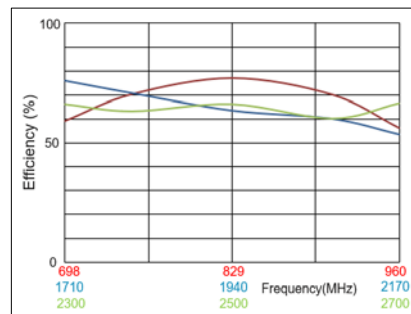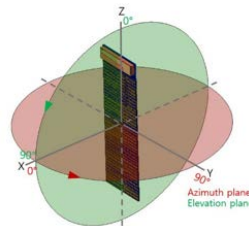• Operating temperature: -40° ~ +85°C
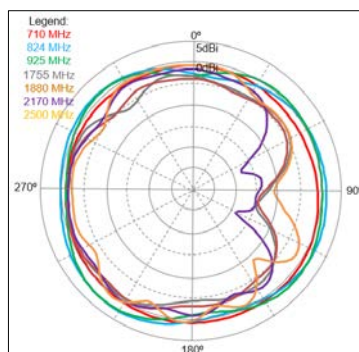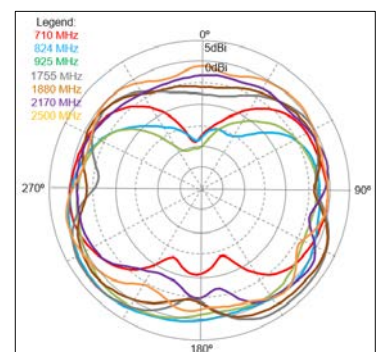• Storage Temp: -40 ~ +85°C

VSWR:

Return Loss:

EFFICIENCY:

Test Orientation in Free Space

Azimuth

Elevation

Mounting Guide

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 layer – □
4. For more information please call TE.

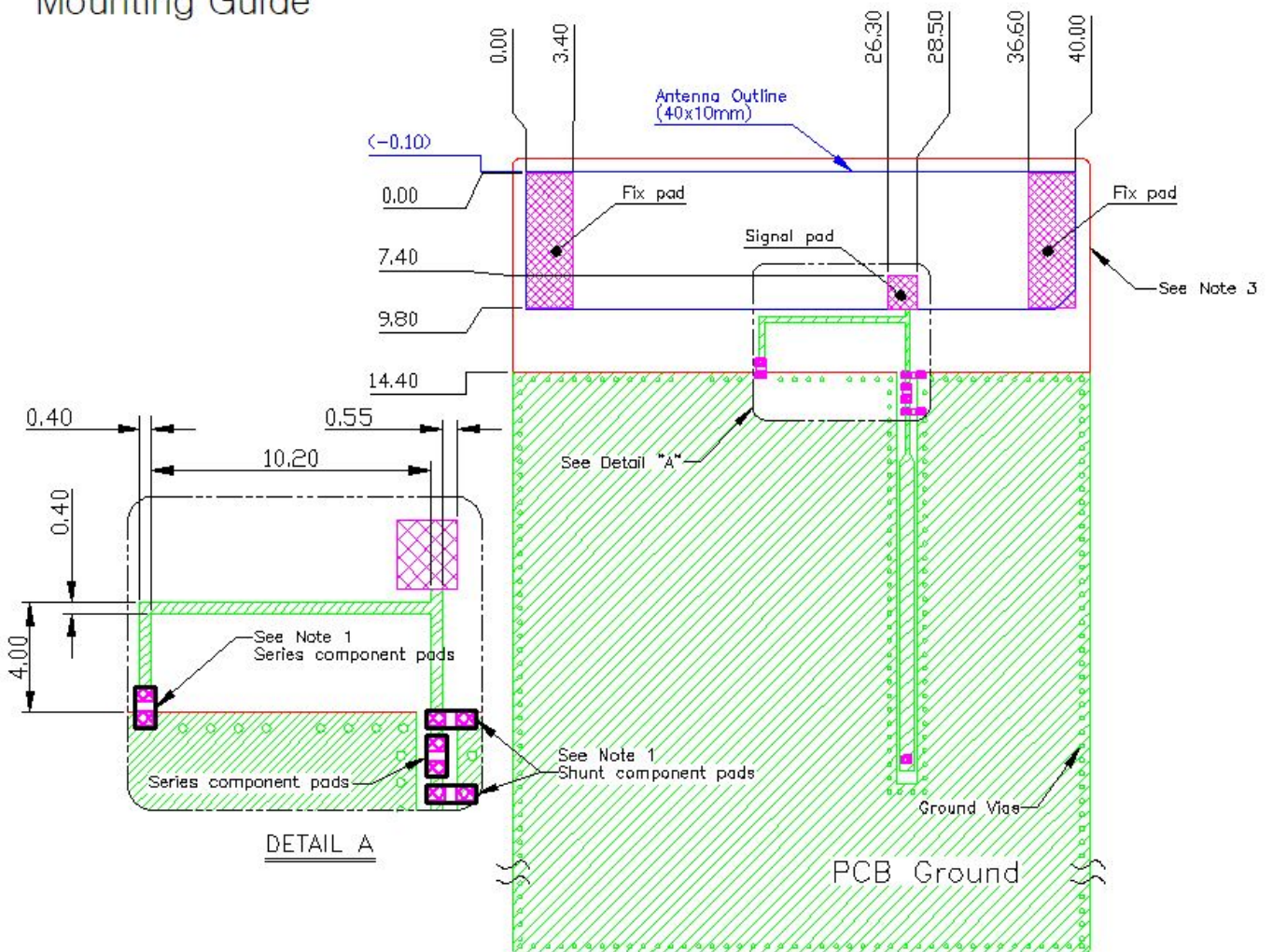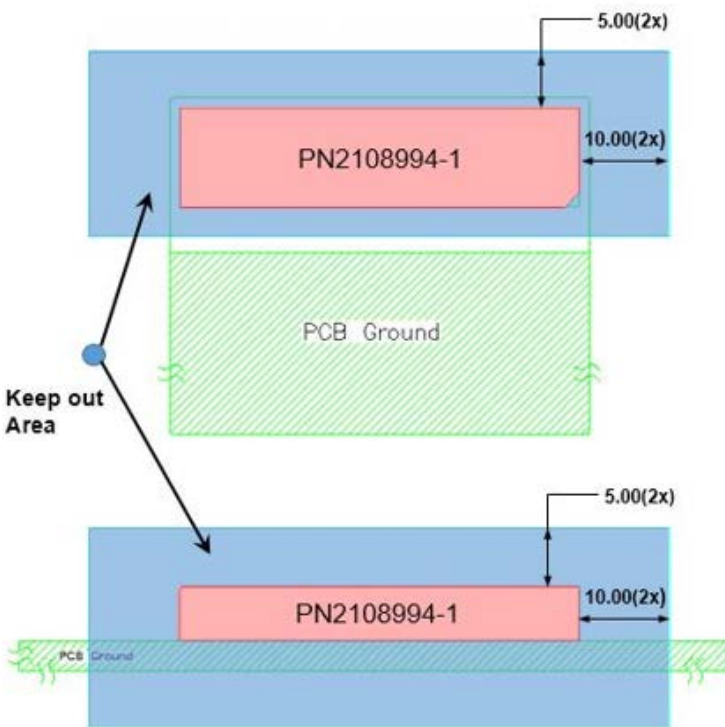Dimensions: mm
Diagram is not to scale

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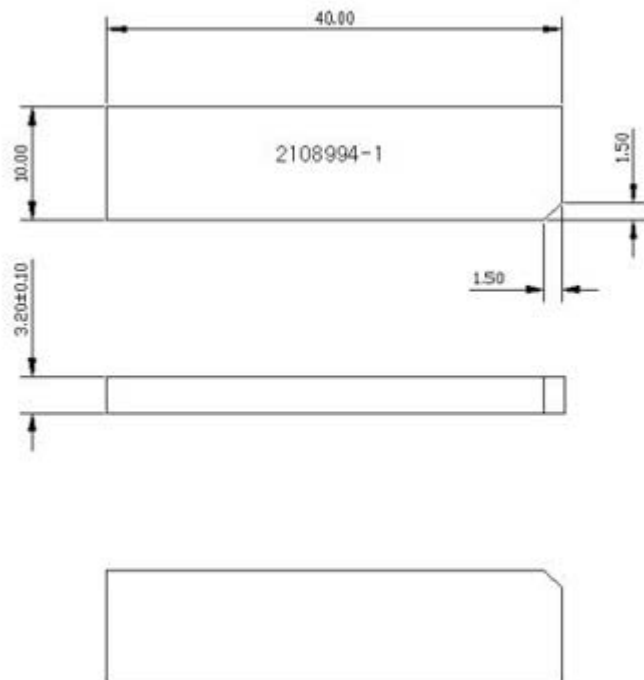
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Keep Out Area

Dimensions: mm
Diagram is not to scale

Approx. Dimensions

Dimensions: mm
Diagram is not to scale