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.

Dimensions are in inches and millimeters unless otherwise specified.
Values in brackets are metric equivalents.
Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-475-6222
Germany: +49 (0) 6251-133-1999
For other country numbers go to: www.te.com/supportcenter
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(Continued)

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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 layers.
4. Capacitor used to optimize low band performance.
5. For more information please call TE.

Keep Out Area

Dimensions: mm
Diagram is not to scale

Approx. Dimensions

Dimensions: mm
Diagram is not to scale

MetaSpan is a trademark.