



METASPAN 698-960, 1710-2170 & 2300-2700 MHz LTE / NB-IoT WORLD BAND ANTENNA Part Numbers: 2118903-1

FEATURES & BENEFITS

- High efficiency 3G/4G/NB-IoT antenna
- Uses MetaSpan technology for global frequency band coverage •
- No matching circuits required

SPECIFICATIONS

Frequency Range (MHz)	698 - 960	1710 - 2170	2300 – 2700
VSWR	< 3.0:1	< 3.0:1	< 1.6:1
Average Efficiency	81 %	72 %	80 %
Peak Gain	2.6 dBi	2.8 dBi	3.7 dBi
Average Gain	-1.0 dBi	-1.5 dBi	-1.0 dBi
Power Handling	3 Watt cw		
Feed Point Impedance	50 ohms		
Polarization	Linear		
Size	75.0 mm x 11.9 mm x 1.64 mm		
Weight	< 3.0 g		
Mounting	SMD		
Mating Connectors	N/A		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Packaging Specification	Bag & Box		
Hazardous Materials	A certificate of conformance is available from the product page on TE website		
Data measured in free space and on reference GND plane of 112 mm length and 75 mm			

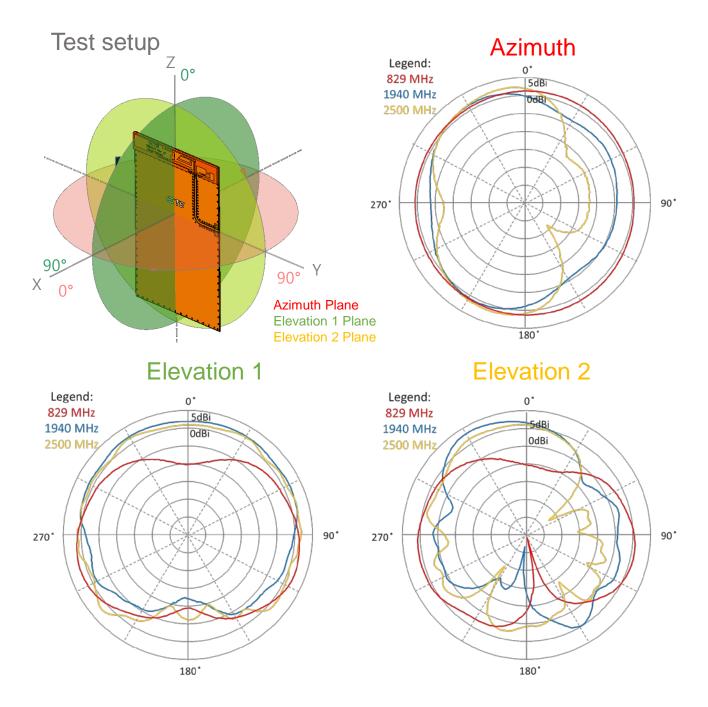
width, application data might vary

RF DATA



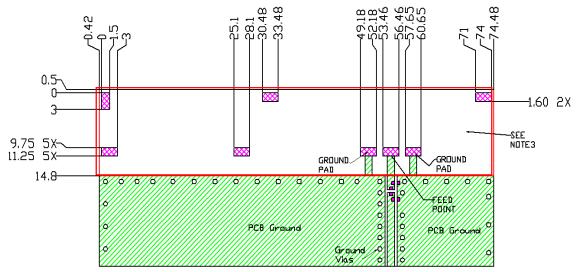
Data measured in free space and on plastic device enclosure

RADIATION PATTERN



Data measured in free space and on plastic device enclosure

MOUNTING GUIDE



NOTES: 1. Suggested matching component pads.

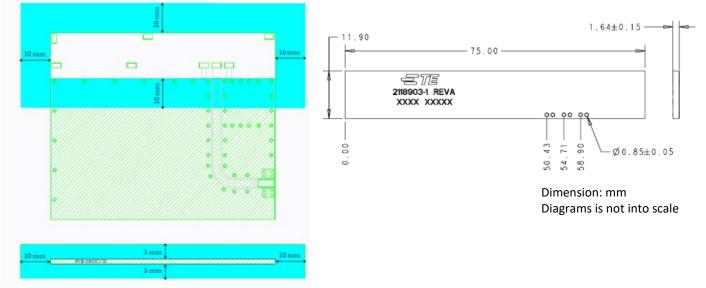
- 2. Antenna must be mounted on the edge of PCB.
- 3. NC = No connection (mechanical mounting pads).
- 4. No copper allowed in designated area on all PCB layers –
- 5. For more information please call TE.

KEEP OUT AREA

DIMENSIONS

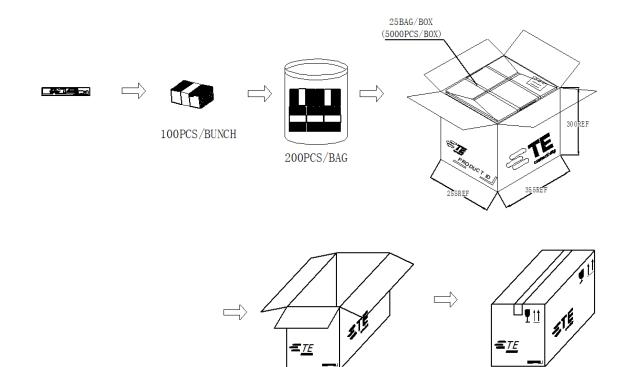
Dimension: mm

Diagrams is not into scale



Dimension: mm Diagrams is not into scale

PACKAGING



TE TECHNICAL SUPPORT CENTER

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