



BT/Wi-Fi 2.4 GHz EMBEDDED CHIP ANTENNA

Part Numbers: 2108832-1

FEATURES & BENEFITS

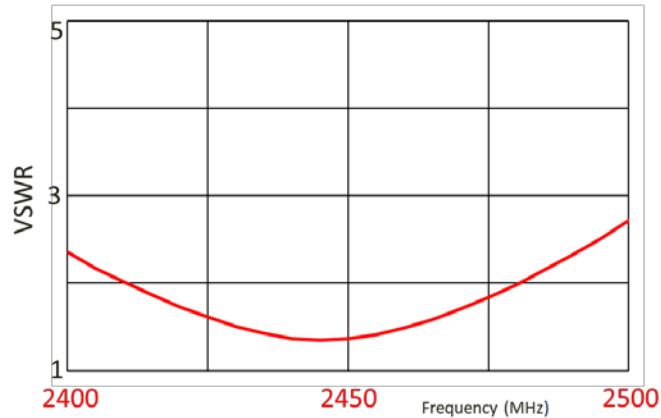
- Wi-Fi 2.4 GHz, Bluetooth, ZigBee
- Embedded Ceramic Chip Antenna
- On Board SMD Antenna
- Available in tape & reel
- The following data is based on 50 x 50 mm ground size

SPECIFICATIONS

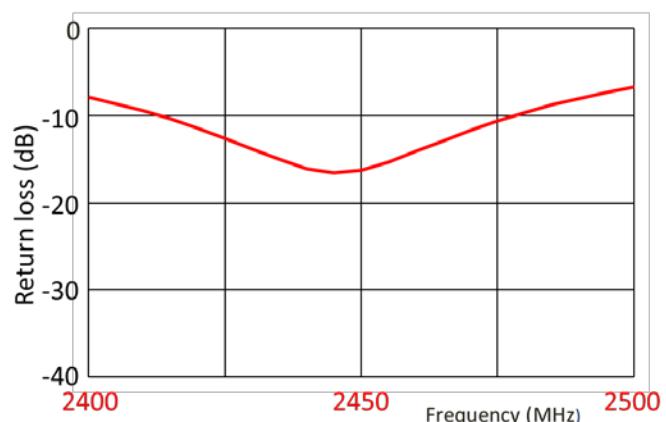
Frequency Range (MHz)	2400 - 2500
VSWR	< 2.8:1
Average Efficiency	82 %
Peak Gain	1.8 dBi
Average Gain	-1.9 dBi
Feed Point Impedance	50 ohms
Polarization	Linear
Size	3.0 mm x 1.5 mm x 1.2 mm
Weight	< 0.02 g
Mounting	Surface mount
Mating Connector	N/A
Cable	N/A
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Hazardous Materials	A certificate of conformance is available from the product page on TE website.

RF DATA

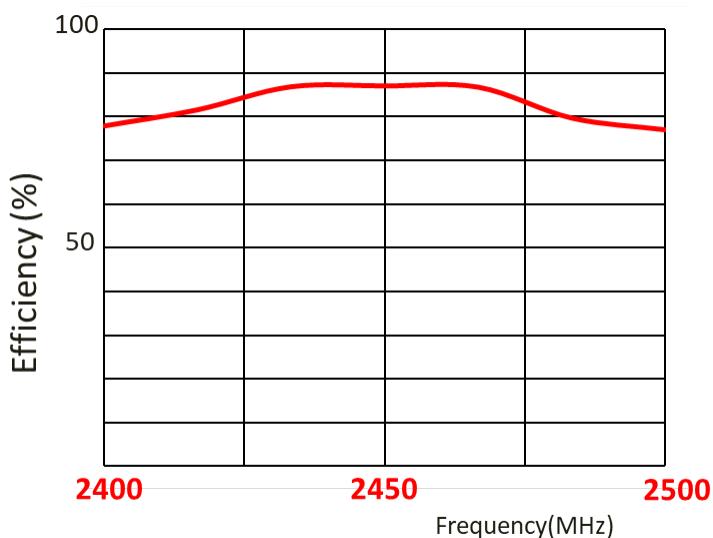
VSWR



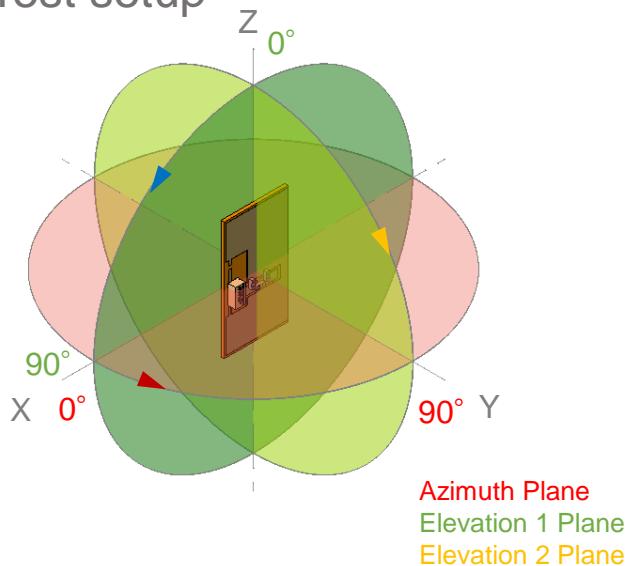
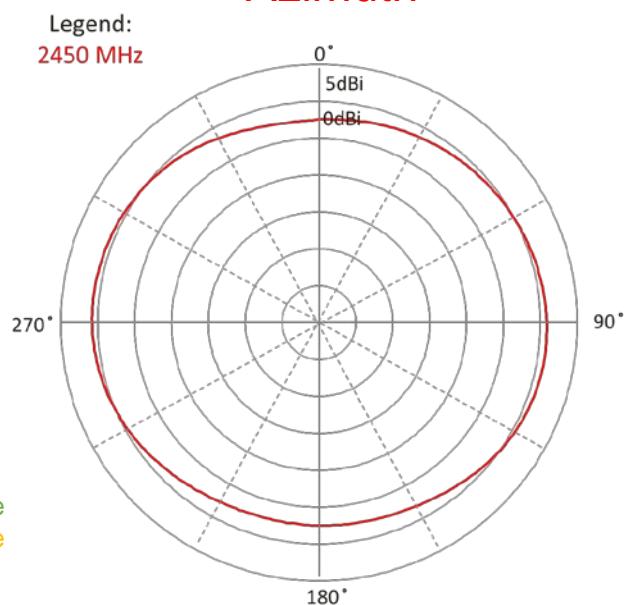
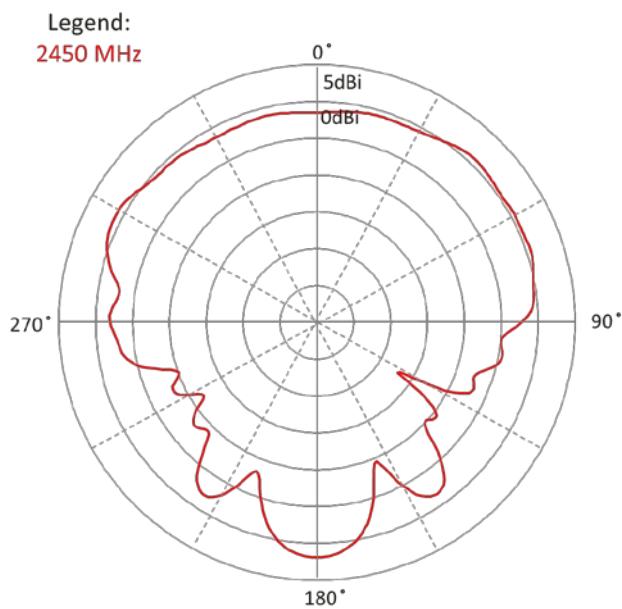
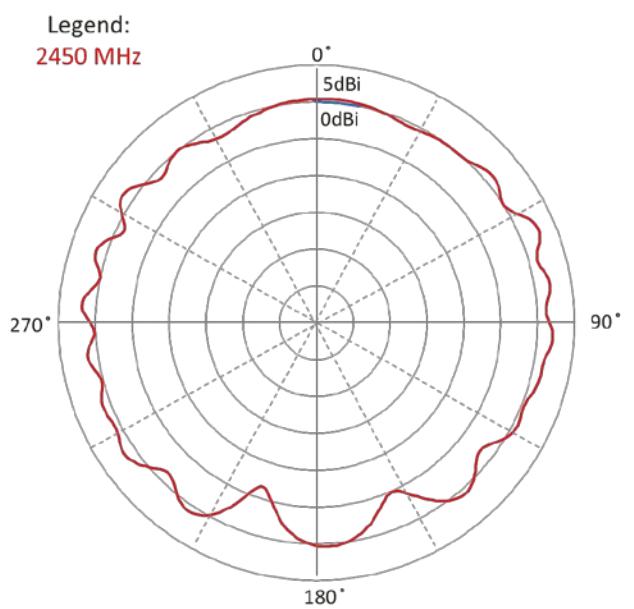
Return Loss



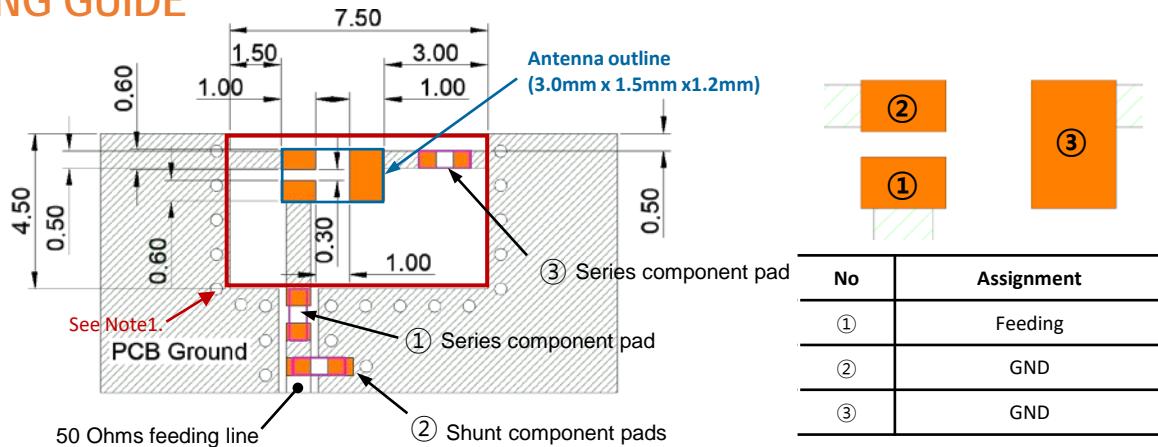
Efficiency



RADIATION PATTERN

Test setup**Azimuth****Elevation 1****Elevation 2**

MOUNTING GUIDE



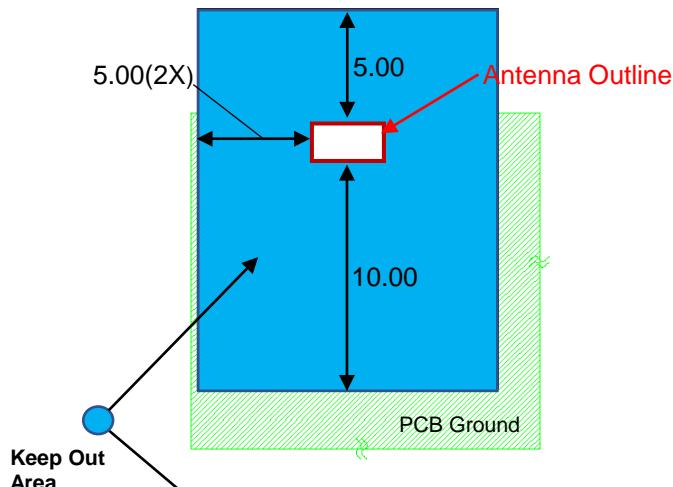
NOTES:

1. No copper allowed in designated area on all PCB layers –
2. Measured with above matching circuit condition.
3. For more information please call TE.
4. Measured with below matching circuit condition.

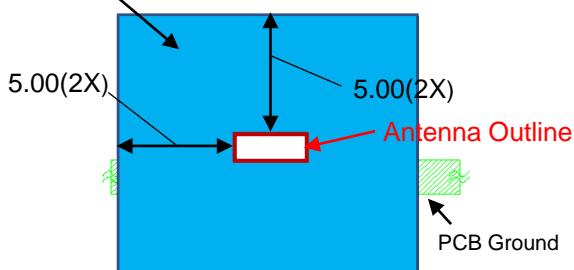
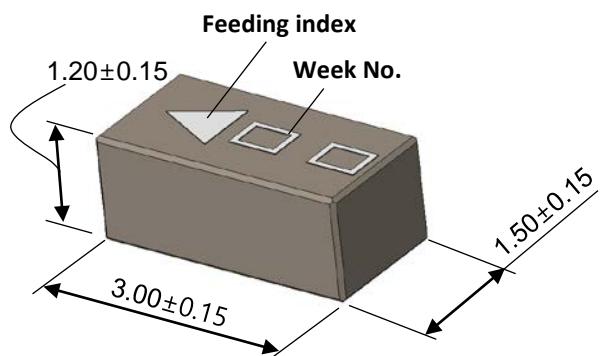
(1) 4.7pF (2) 2.7nH (3)100pF

Dimension: mm
Diagrams is not to scale

KEEP OUT AREA



DIMENSIONS

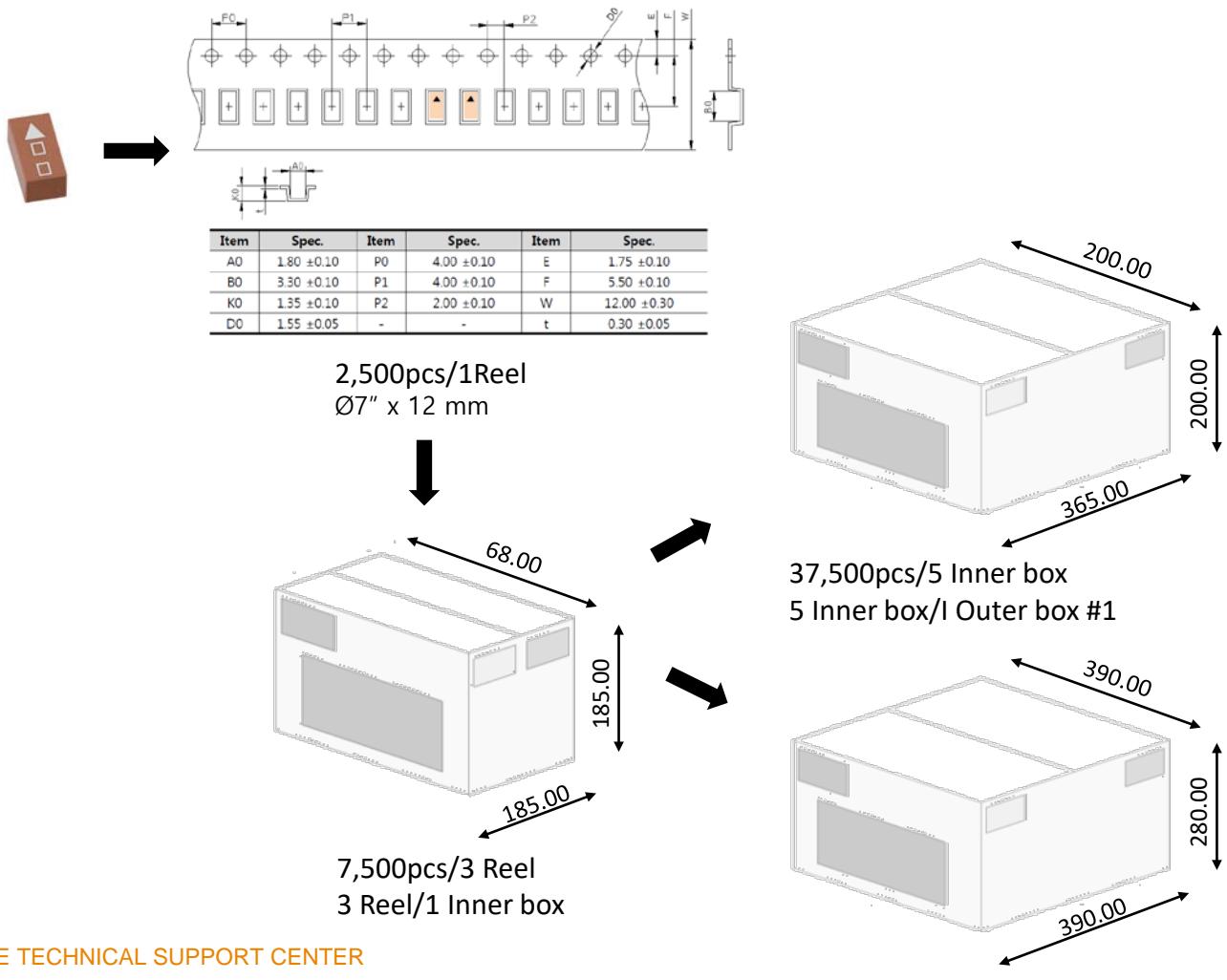


Dimension: mm
Diagrams is not to scale

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Standard Antenna Solutions

PACKAGING



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