



# BT/Wi-Fi 2.4 GHz EMBEDDED CHIP ANTENNA

Part Numbers: 2108832-1

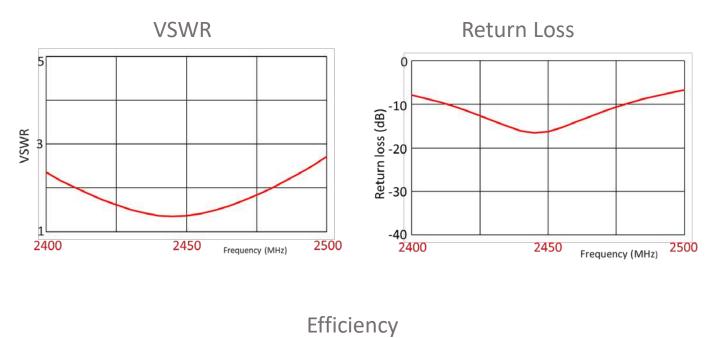
# FEATURES & BENEFITS

- 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

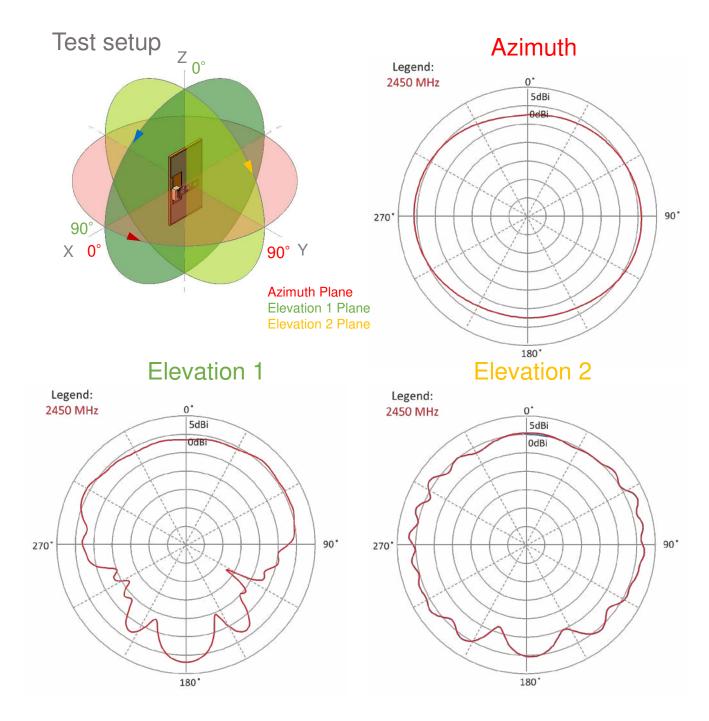
#### **SPECIFICATIONS**

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.

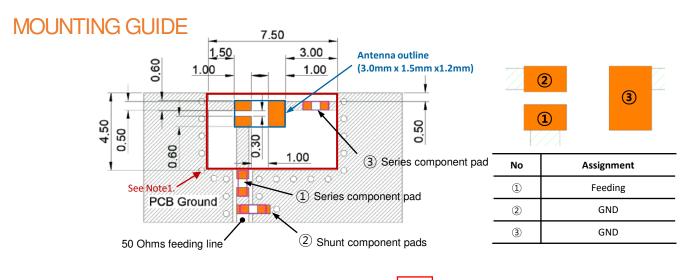
## **RF DATA**



# **RADIATION PATTERN**



Standard Antenna Solutions



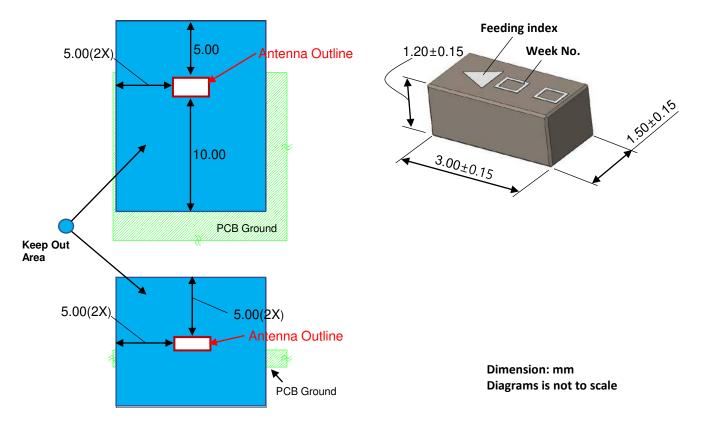
- NOTES: 1. No copper allowed in designated area on all PCB layers
  - Measured with above matching circuit condition.
    For more information please call TE.
  - 4. Measured with below matching circuit condition.
    - (1) 4.7pF (2) 2.7nH (3) 100pF

# **KEEP OUT AREA**

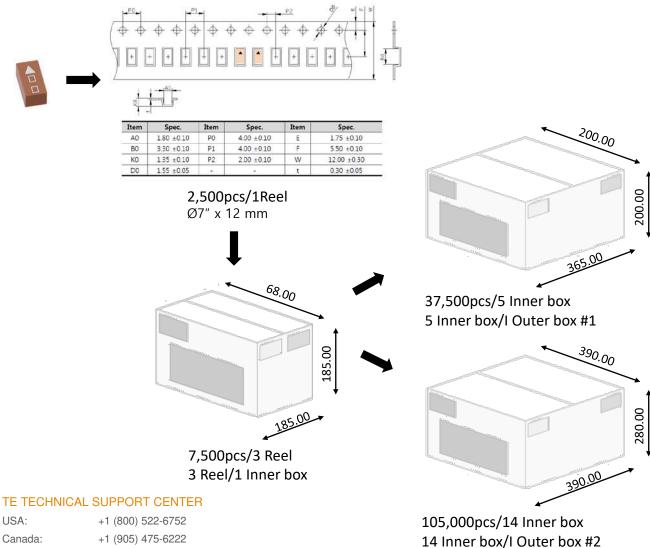
#### DIMENSIONS

**Dimension: mm** 

Diagrams is not to scale



### PACKAGING



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