

# BT/Wi-Fi 2.4 GHz EMBEDDED CHIP ANTENNA

Part Numbers: 2108838-1

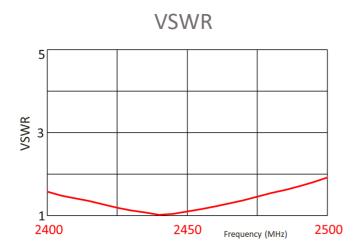
# **FEATURES & BENEFITS**

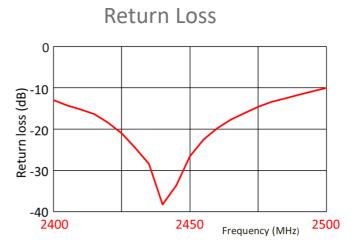
- Wi-Fi 2.4 GHz, Bluetooth, ZigBee
- Embedded Ceramic Chip Antenna
- On Board SMD Antenna
- Available in tape & reel
- The following data is based on 10 x 30 mm ground size

#### **SPECIFICATIONS**

Frequency Range (MHz)	2400-2500		
VSWR	< 2.0:1		
Average Efficiency	57%		
Peak Gain	2.4 dBi		
Average Gain	-2.5dBi		
Feed Point Impedance	50 ohms		
Polarization	Linear		
Size	3.2 mm x 1.6 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.		

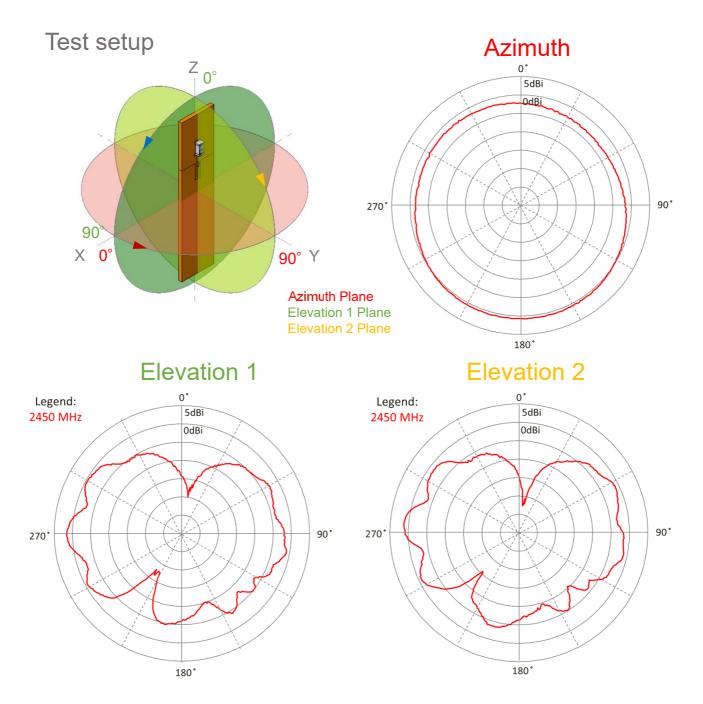
# **RF DATA**



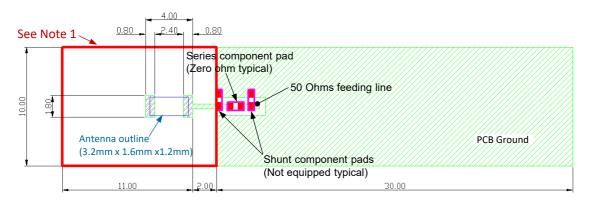




## **RADIATION PATTERN**



#### **MOUNTING GUIDE**



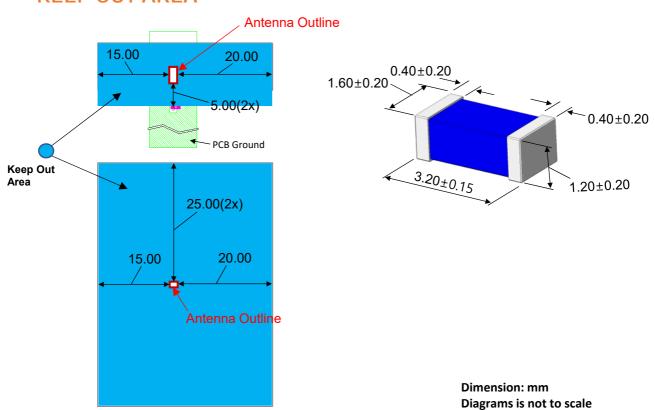
NOTES: 1. No copper allowed in designated area on all PCB layers – 2. Measured with above matching circuit condition.

3. For more information please call TE.

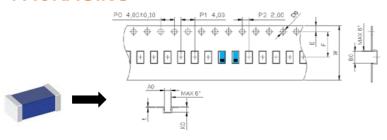
Dimension: mm Diagrams is not to scale

### **KEEP OUT AREA**

### **DIMENSIONS**

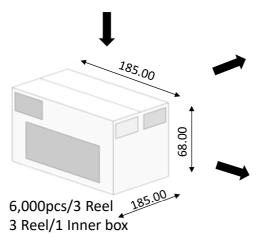


#### **PACKAGING**

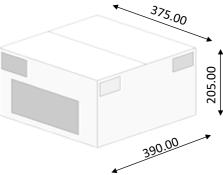


Item	Spec.	Item	Spec.	Item	Spec.
A0	1.90±0.10	P0	4.00 ±0.10	E	1.75±0.10
В0	3.50±0.10	P1	4.00 ±0.10	F	7.50±0.10
K0	1.50±0.10	P2	2.00 ±0.10	W	16.00±0.30
D0	1.55±0.05	-	-	t	0.30±0.05

# **2,000pcs/1Reel** Ø7" x 12 mm



30,000pcs/5 Inner box 5 Inner box/I Outer box #1



200.00

375.00

8

60,000pcs/10 Inner box 10 Inner box/I Outer box #2

#### TE TECHNICAL SUPPORT CENTER

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