

BT/Wi-Fi 2.4 GHz EMBEDDED CHIP ANTENNA

Part Numbers: 2108838-1

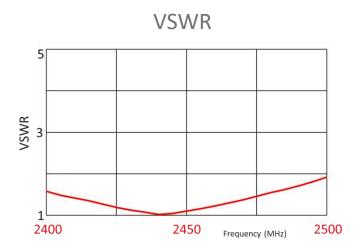
FEATURES & BENEFITS

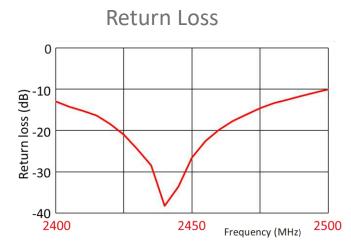
- Wi-Fi 2.4 GHz, Bluetooth, ZigBee
- Embedded Ceramic Chip Antenna
- On Board SMD Antenna
- Available in tape & reel
- The following data is based on 10 x 30 mm ground size

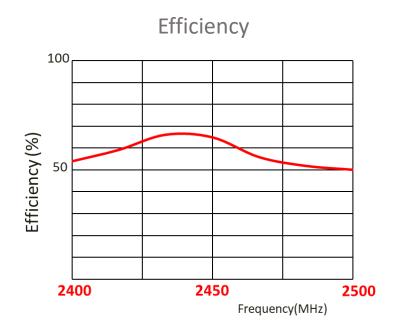
SPECIFICATIONS

	1			
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.			

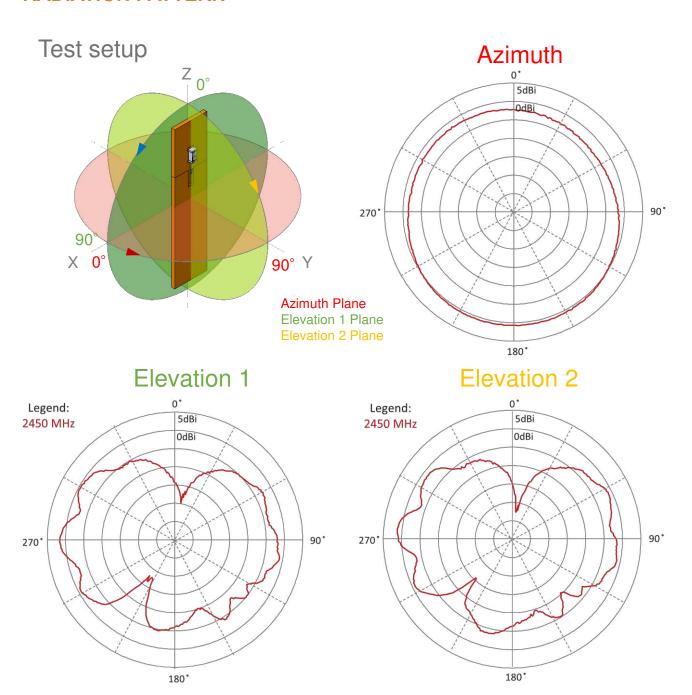
RF DATA



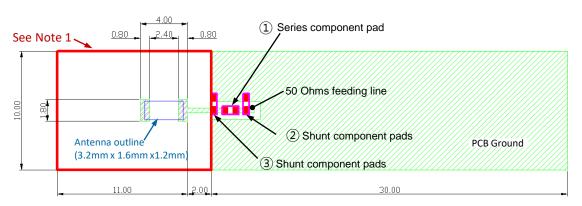




RADIATION PATTERN



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.

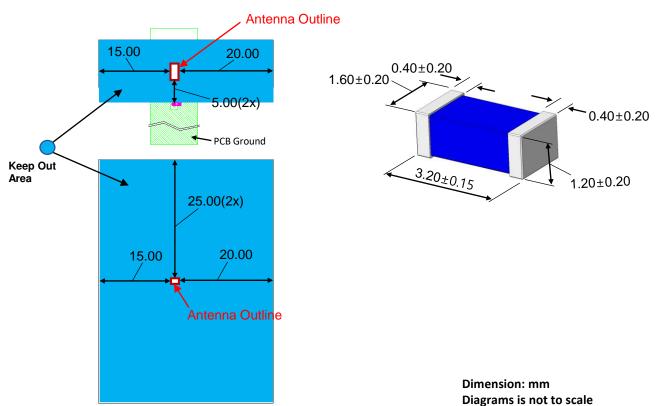
4. Measured with below matching circuit condition.

1 4.7nH 2 1.8nH 3 NC

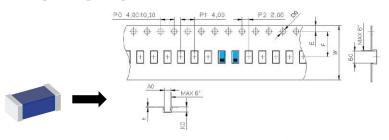
Dimension: mm Diagrams is not to scale

KEEP OUT AREA

DIMENSIONS

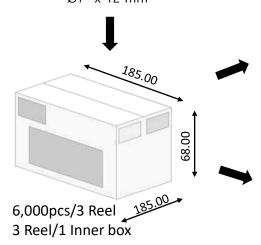


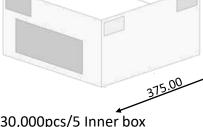
PACKAGING



Item	Spec.	Item	Spec.	Item	Spec.
A0	1.90±0.10	PO	4.00 ±0.10	E	1.75±0.10
BO	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

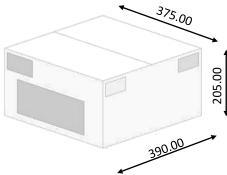




200.00

8

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



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

TE TECHNICAL SUPPORT CENTER

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