



# LTCC BLUETOOTH/WI-FI 2450 MHZ SMD ANTENNA

Part Number: ANT-2.45-CHP-T

## FEATURES & BENEFITS

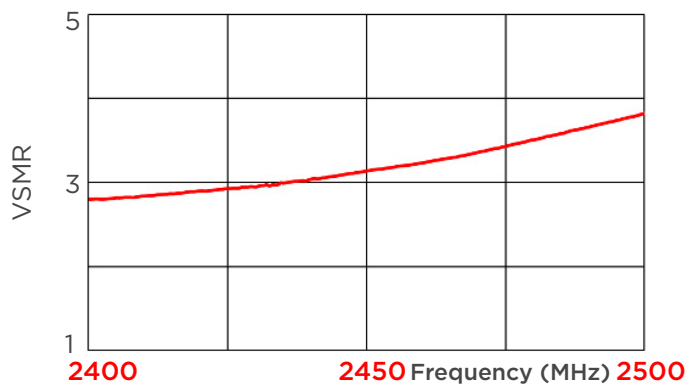
- 2450 MHz single band antenna
- Compact SMD package
- Low-temperature cofired ceramics (LTCC) technology
- RoHS compliant
- No external matching required

## SPECIFICATIONS

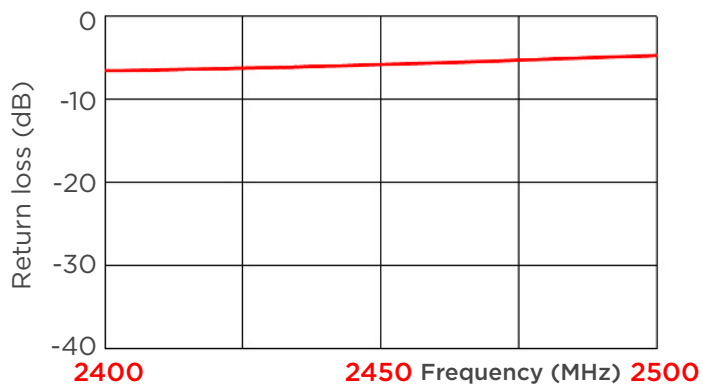
Frequency Range (MHz)	2400-2500
VSWR (center frequency)	< 3.2 :1
Efficiency (center frequency)	47 %
Average Gain (center frequency)	- 3.3 dB
Peak Gain (center frequency)	2.5 dBi
Power Handling	3 Watt
Feed Point Impedance	50 ohms
Polarization	Linear
Size	6.5 mm x 2.2 mm x 1.0 mm
Weight	< 0.1 g
Mounting	SMD
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

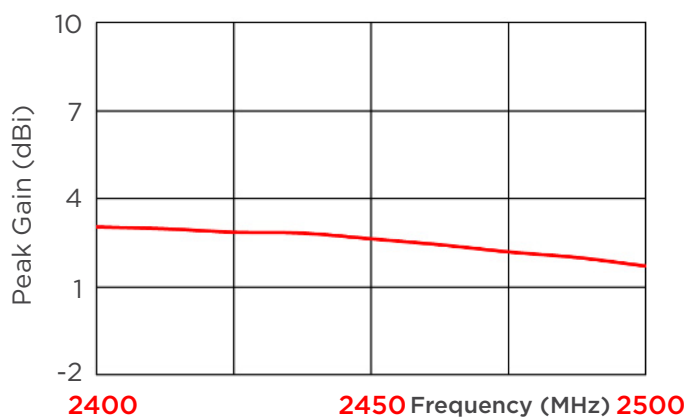
#### VSWR



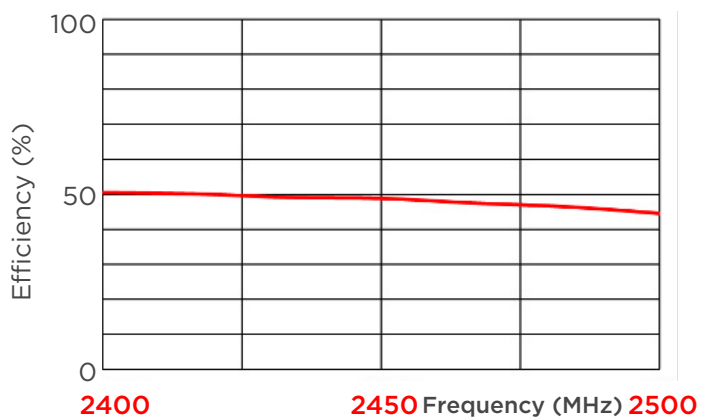
#### Return Loss



#### Peak Gain



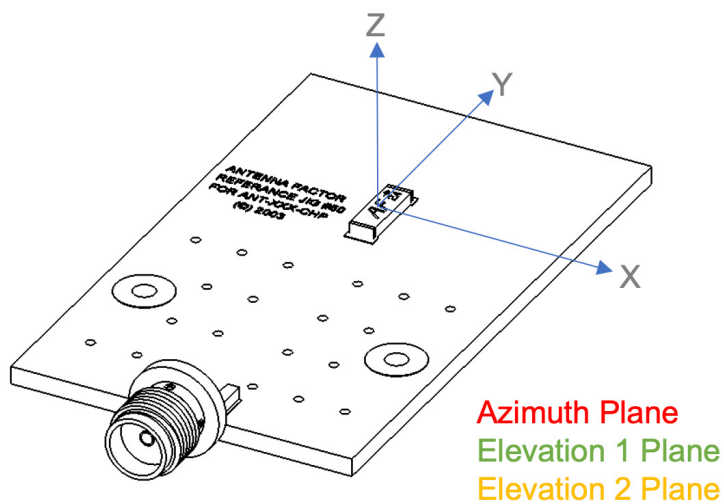
#### Efficiency



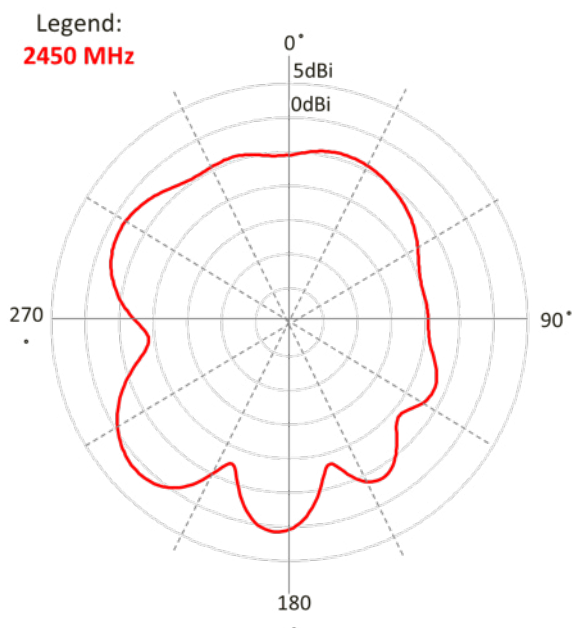
Data measured in free space and on reference ground plane of 30mm ground length and 30mm width, application data might vary.

## RADIATION PATTERN

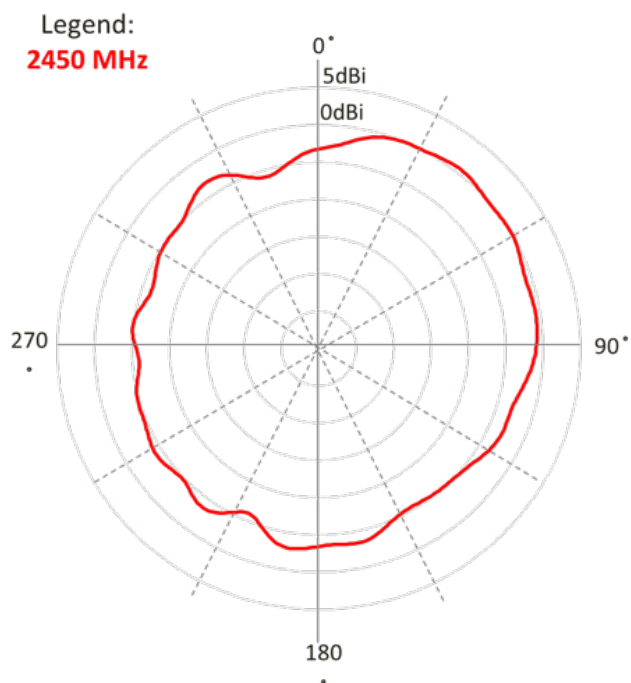
Test setup



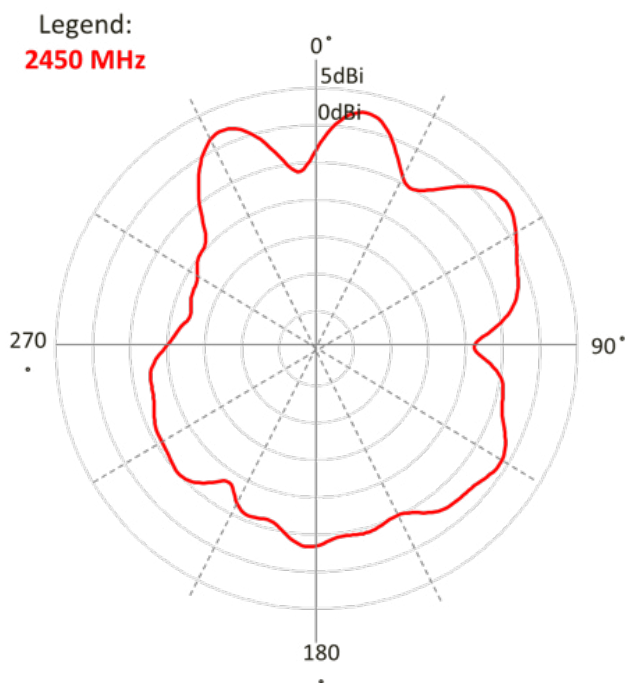
Azimuth



Elevation

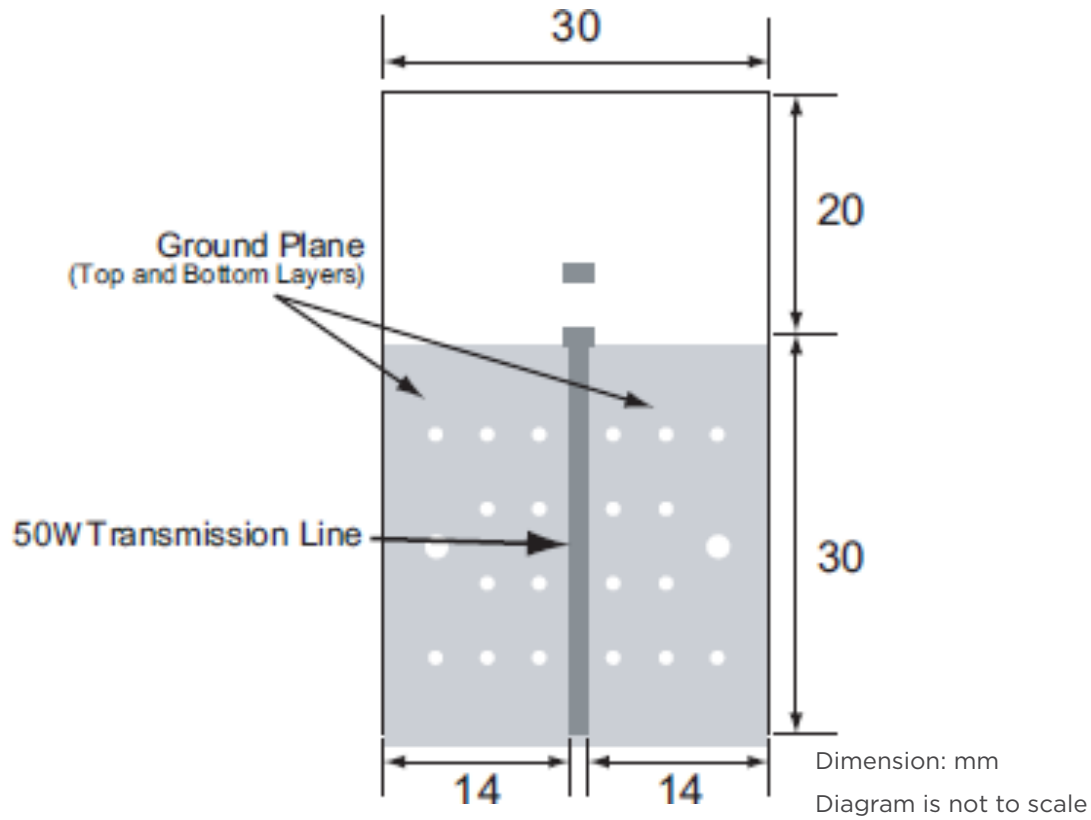


Elevation 2

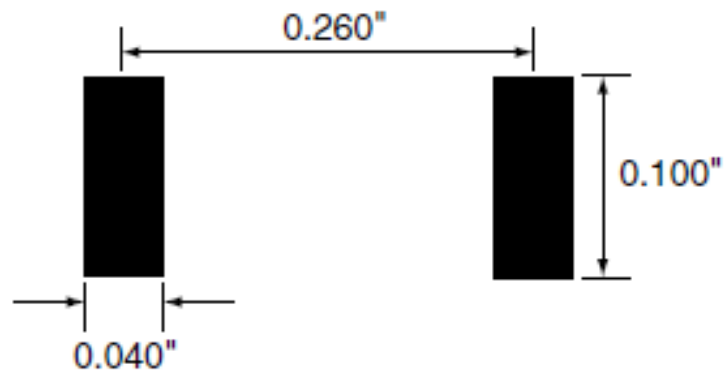


Data measured in free space and on reference ground plane of 30mm ground length and 30mm width, application data might vary.

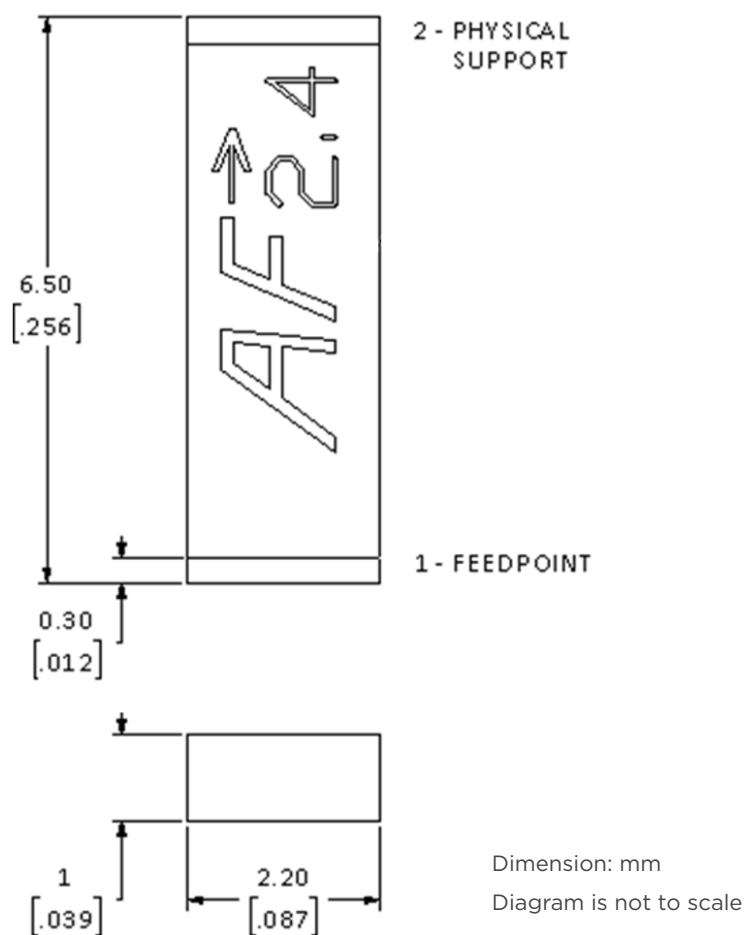
## MOUNTING GUIDE



## FOOTPRINTS



### DIMENSIONS



### PIN DEFINE

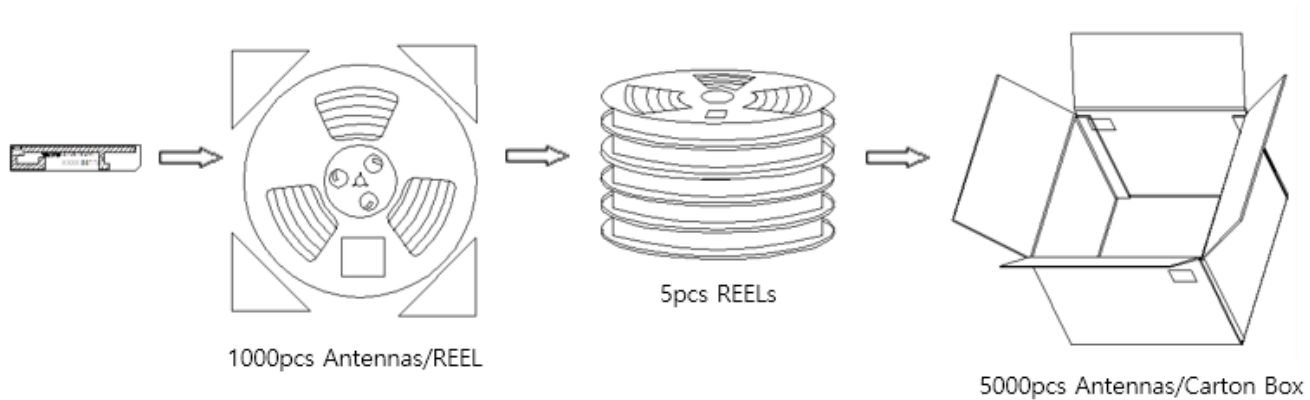
Pin Descriptions	
Pin Number	Description
1	Feed Termination This Pin connects to the transmitter or receiver
2	Solder Termination This pin is soldered down for physical support only. There is no electrical connection

## LTCC BLUETOOTH/Wi-Fi 2450 MHZ SMD ANTENNA

Standard Antenna Solutions

### PACKAGING

#### ANT-2.45-CHP-T (TAPE & REEL)



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