

# Bluetooth Chip Antenna For ISM 2.4 GHz Applications

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◆ Part number : ADSBTM0802-A00

## Specification

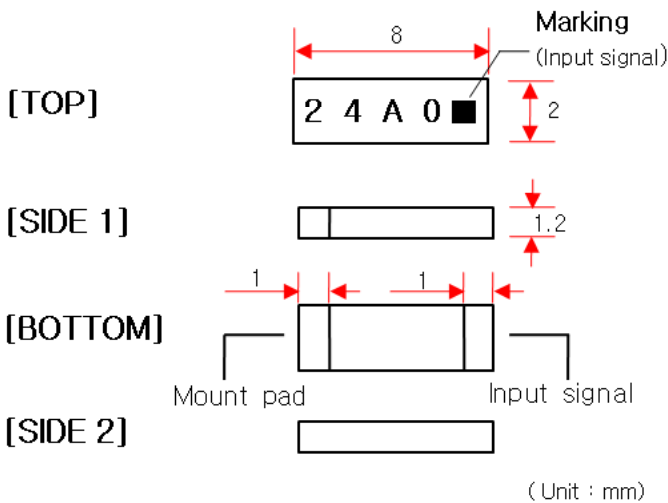
Frequency	2400 ~ 2484 MHz
VSWR	2.5 max
Peak Gain	0 dBi min
Radiation Pattern	Omni-directional
Input Impedance	50 ohm

<Typical Test Board>

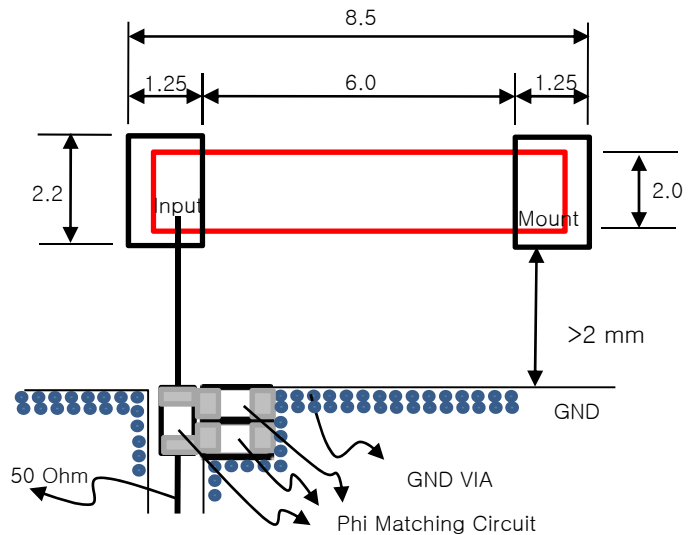
- Ground size : 40 X 20 mm

## Dimensions

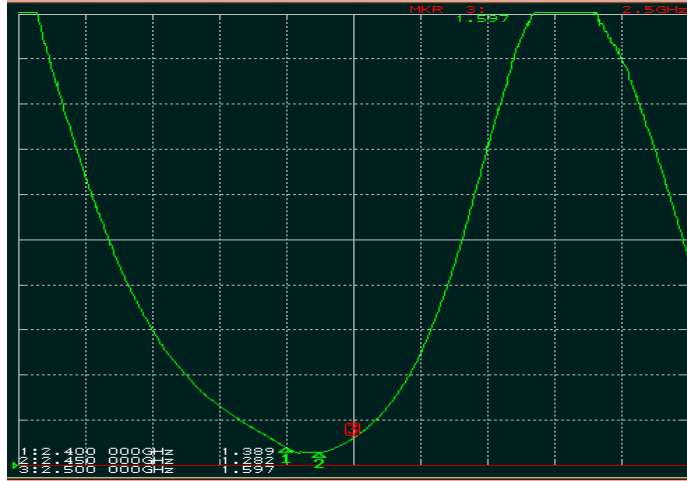
(Tolerance : +/- 0.1 mm)



## Recommended Pad Layout

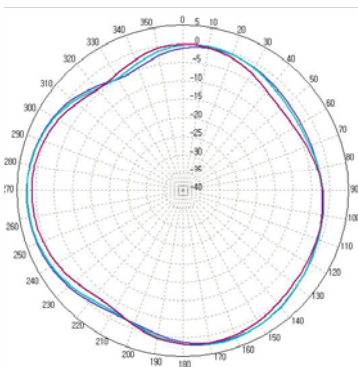


**VSWR on Evaluation Board**

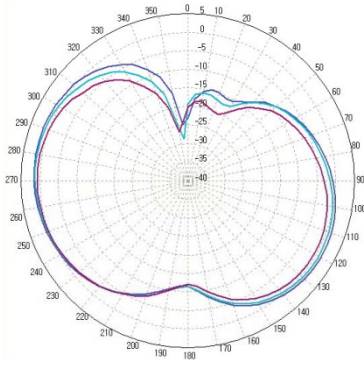


**Gain on Evaluation Board**

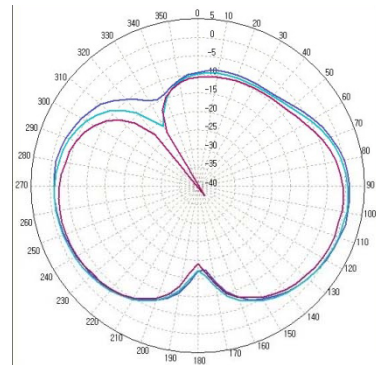
XY-Plane



YZ-Plane



ZX-Plane



(unit : dBi)

Frequency (MHz)	XY		YZ		ZX	
	Peak gain	Avrg gain	Peak gain	Avrg gain	Peak gain	Avrg gain
2400	2.7	1.1	1.9	-3.8	1.5	-5.4
2450	2.5	0.66	1.6	-4.3	1.1	-5.7
2500	0.9	-1.2	0.9	-5.3	-0.2	-6.7

