

Bluetooth Chip Antenna For ISM 2.4 GHz Applications

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◆ Part number : AHSBTF0402-L00

Specification

Frequency	2400 ~ 2485 MHz
VSWR	2.0 max
Peak Gain	1.9 dBi
Radiation Pattern	Omni-directional
Input Impedance	50 ohm

<Typical Test Board>

• Ground size : 37 X 42 mm

Dimensions

Size: 4(L) by 2(w) by 1.25(t) mm

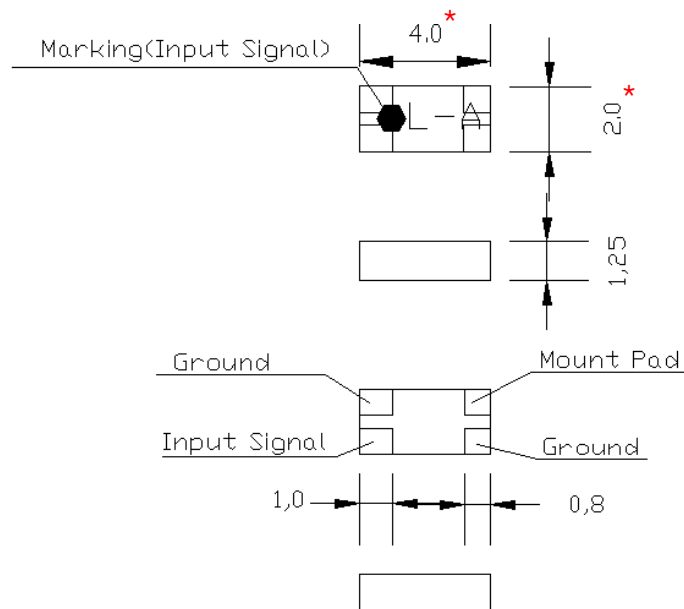
(Tolerance : ± 0.1 mm(* : -0.0 ~ +0.2mm))

[Top]

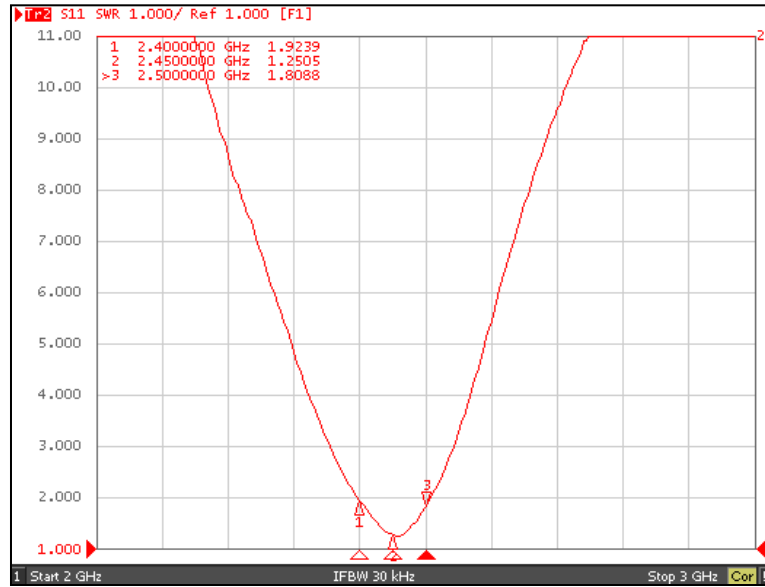
[Side1]

[Bottom]

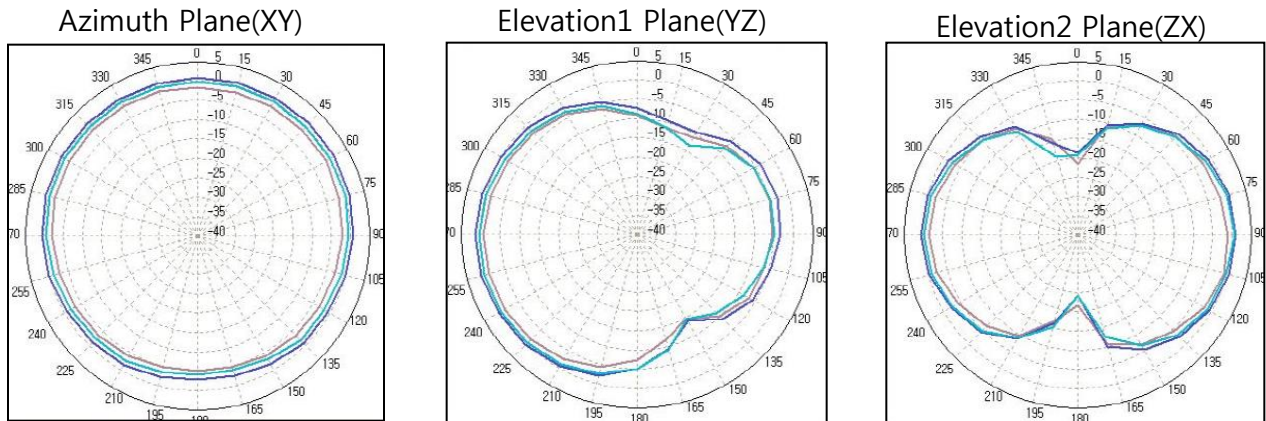
[Side2]



VSWR on Evaluation Board



Gain on Evaluation Board (2D)

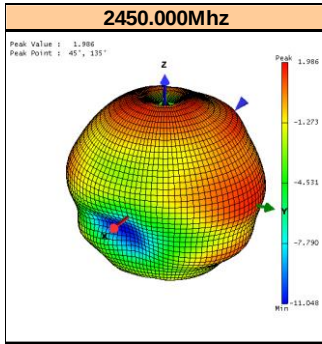


(unit : dBi)

Frequency (MHz)	Azimuth Plane(XY)	Elevation1 Plane(YZ)	Elevation2 Plane(ZX)
	Peak Gain	Peak Gain	Peak Gain
2400	-1.0	-0.7	-0.8
2450	1.4	1.3	1.0
2500	0.3	0.5	0.7



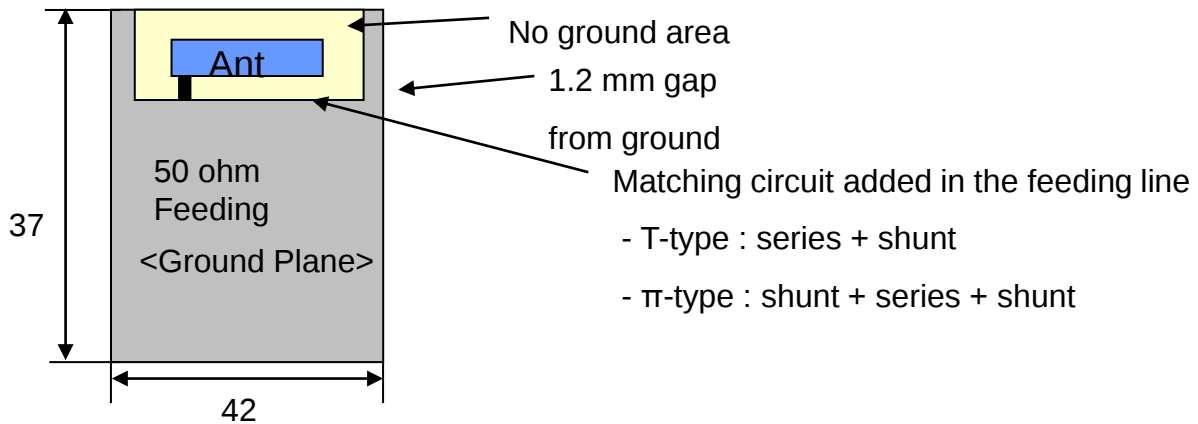
Gain on Evaluation Board (3D)



(unit : dBi)

Frequency (MHz)	3D Data	
	Peak Gain	Avg. Gain
2400	-0.4	-3.3
2450	1.9	-1.0
2500	1.0	-1.8

Typical Test Board



Recommended Pad Layout

