

PRELIMINARY

2.6~2.7GHz Chip Antenna (Ground Clearance Not Required)

P/N 2650AT43A0100

Detail Specification: 11/11/08

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General Specifications

Part Number	2650AT43A0100
Frequency Range	2600 - 2700
Peak Gain	0.5 dBi typ. (YZ-total)
Average Gain	-1.7 dBi typ. (XZ-total)
Return Loss	3.0 dB min.
Impedance	50 Ω
Input Power	2W max.

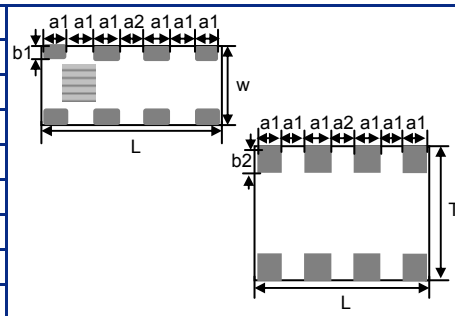
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5~+35°C, Humidity 45~75%RH
Reel Quantity	1,000

Terminal Configuration

No.	Function
1	Feeding Point
2	GND
3	GND
4	NC
5	NC
6	GND
7	GND
8	GND

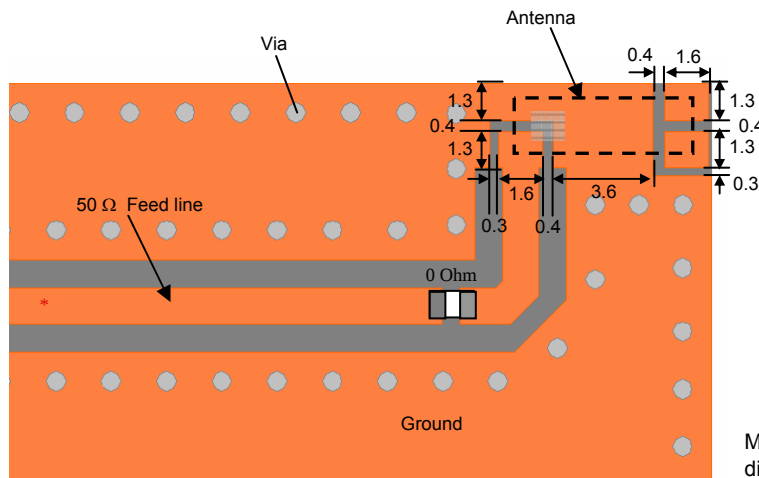
Mechanical Dimensions

	In	mm
L	0.276 $\pm$ 0.008	7.00 $\pm$ 0.20
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20
T	0.157 $\pm$ 0.008	4.00 $\pm$ 0.20
a	0.033 $\pm$ 0.008	0.85 $\pm$ 0.20
b	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
c1	0.020 $\pm$ 0.008	0.50 $\pm$ 0.20
c2	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20



Mounting Considerations

*Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness



Units in mm

Matching circuit and component values will be different, depending on PCB layout

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www.johansontechnology.com

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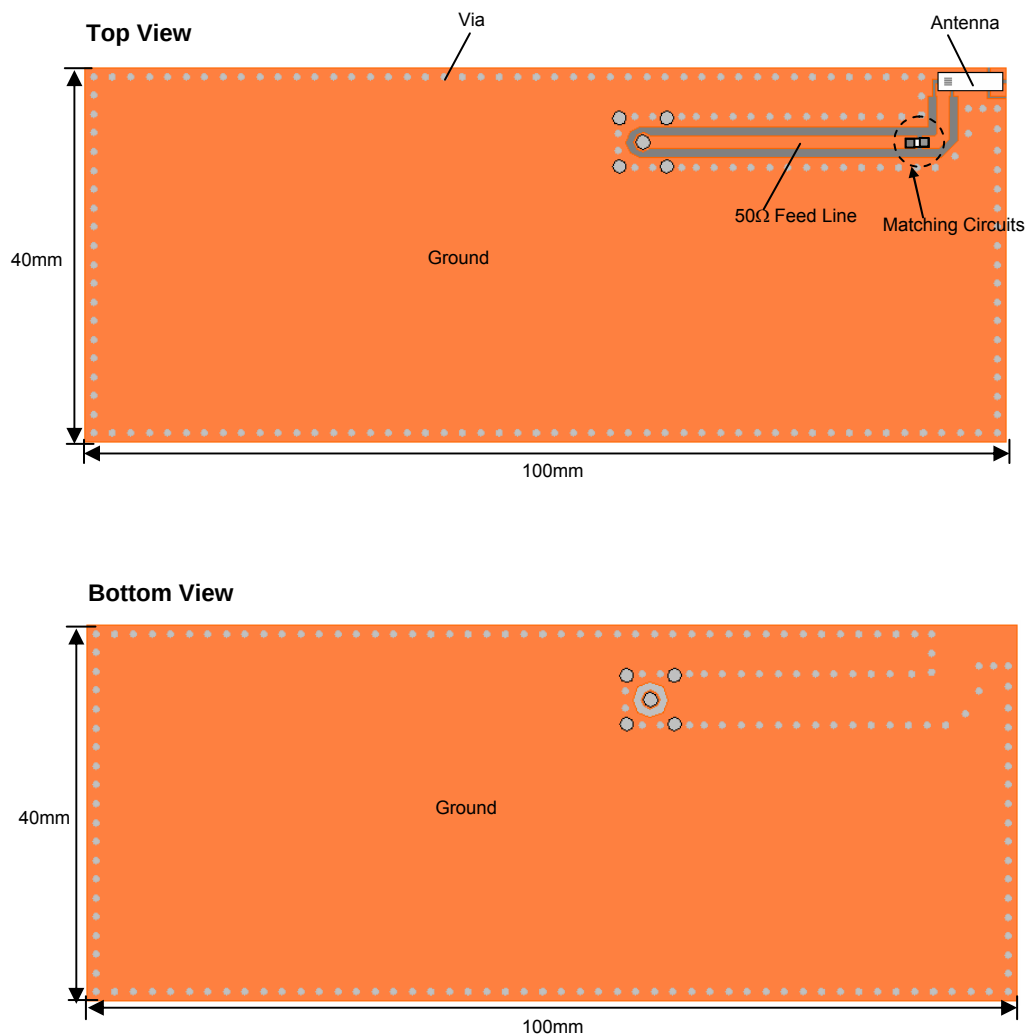
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Mounting Considerations

Test Board



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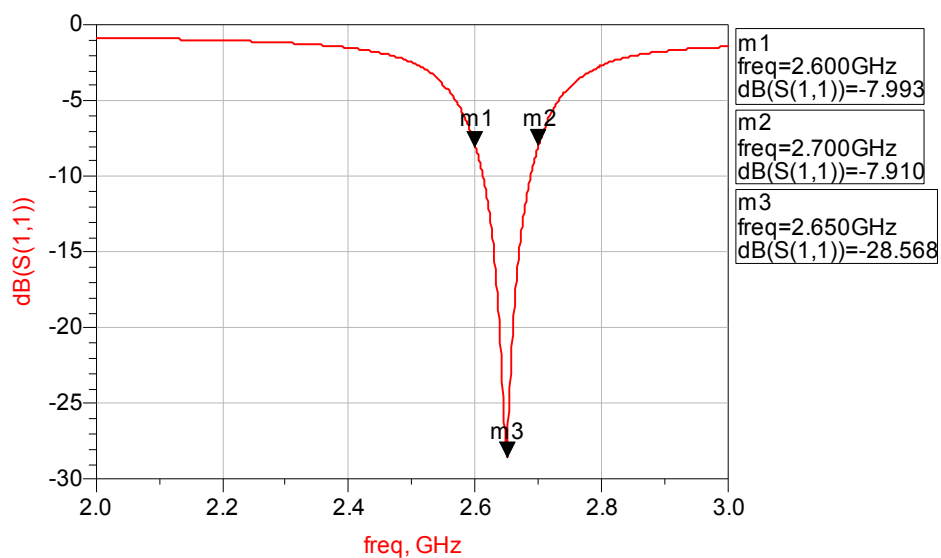
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Return Loss (Without matching)



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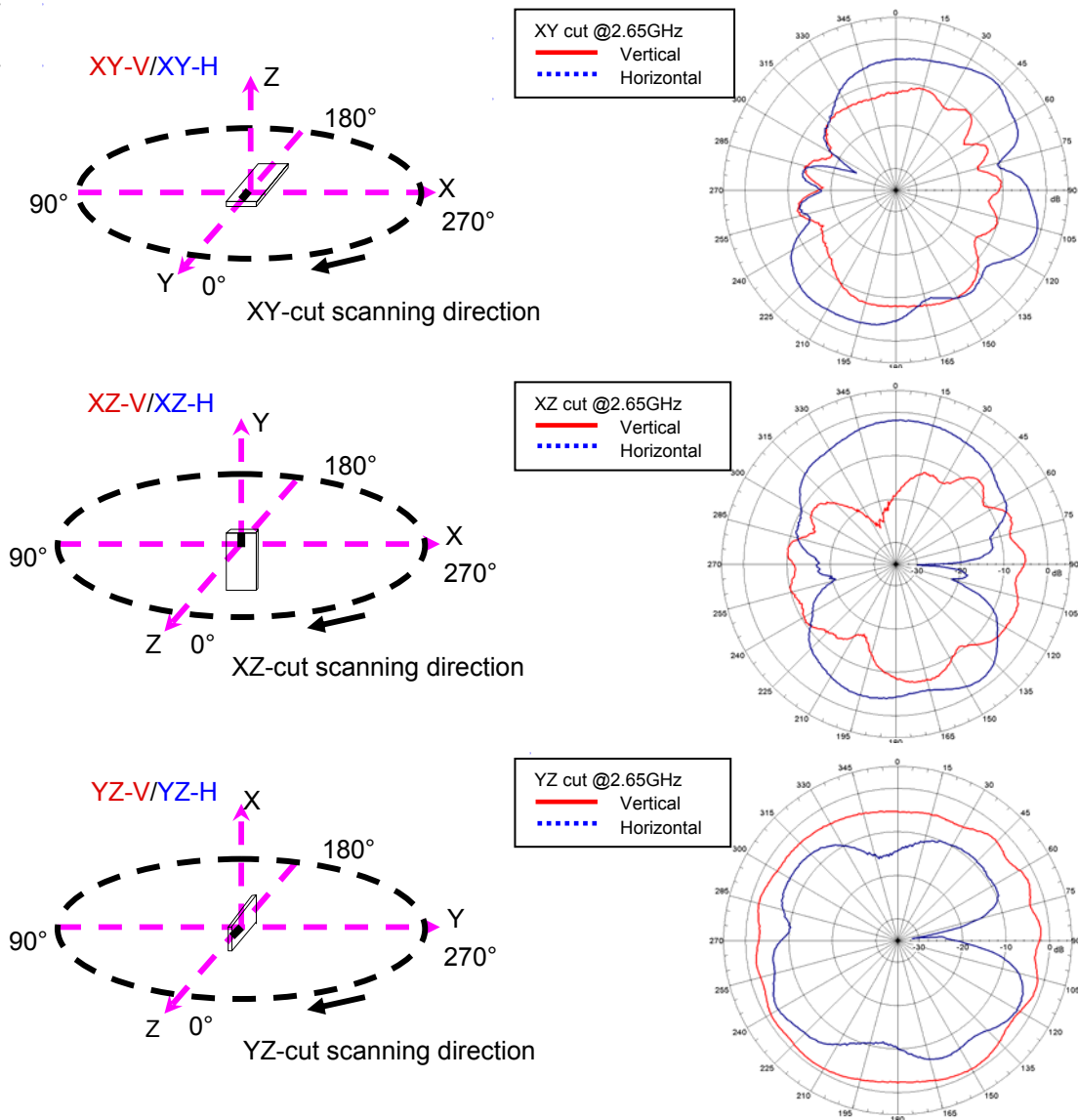
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Typical Radiation Patterns



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