



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Frequency Ceramic Solutions

Ultra Wide Band (UWB) Chip Antenna 3.1 -10.3 GHz

P/N 3100AT51A7200

Detail Specification: 08/29/2008

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General Specifications

Part Number	3100AT51A7200
Freq. Range (GHz)	3100 - 10300
Peak Gain (XZ-V)	1.5 dBi typ.
Average Gain (XZ-V)	-3.5 dBi typ.
Return Loss	9.5 dB min.

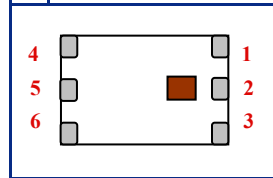
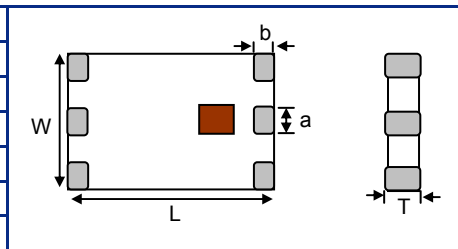
Input Power	3W max.
Impedance	50 Ω
Operating Temp.	-40 to +85°C
Reel Quantity	1,000

P/N	Packaging Style	Bulk	Suffix = S	Eg. 3100AT51A7200S
	Termination Style	T & R	Suffix = E	Eg. 3100AT51A7200E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 3100AT51A7200(E or S)
	Termination Style	Tin / Lead	Suffix = /Pb	Eg. 3100AT51A7200(E or S)/Pb

Terminal Configuration	
No.	Function
1	GND
2	Feeding Point
3	GND
4	NC
5	NC
6	NC

Mechanical Dimensions

	In	mm
L	0.394 ± 0.012	10.00 ± 0.30
W	0.236 ± 0.012	6.00 ± 0.30
T	0.047 ± 0.008	1.20 ± 0.20
a	0.039 ± 0.012	1.00 ± 0.30
b	0.020 ± 0.012	0.50 ± 0.30

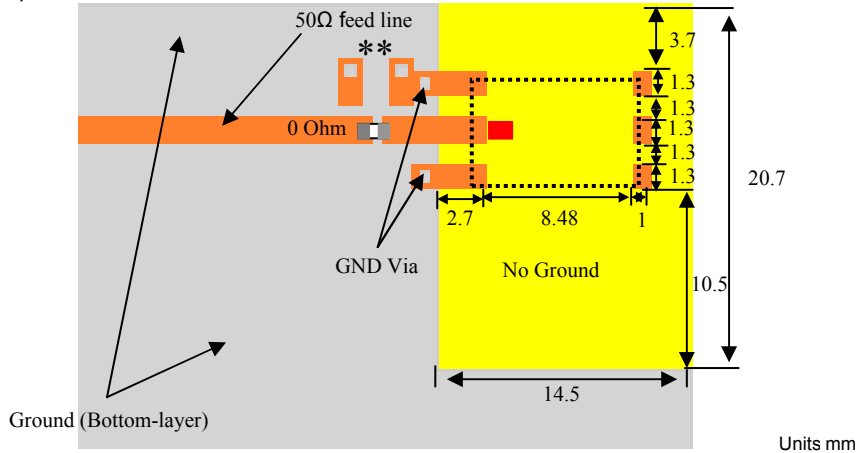


Mounting Considerations

Mount these devices with white mark facing up. Units: mm

* Line width should be designed to provide 50 Ω imped. matching characteristics, depending on PCB material and thickness.

**No matching circuit required



Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



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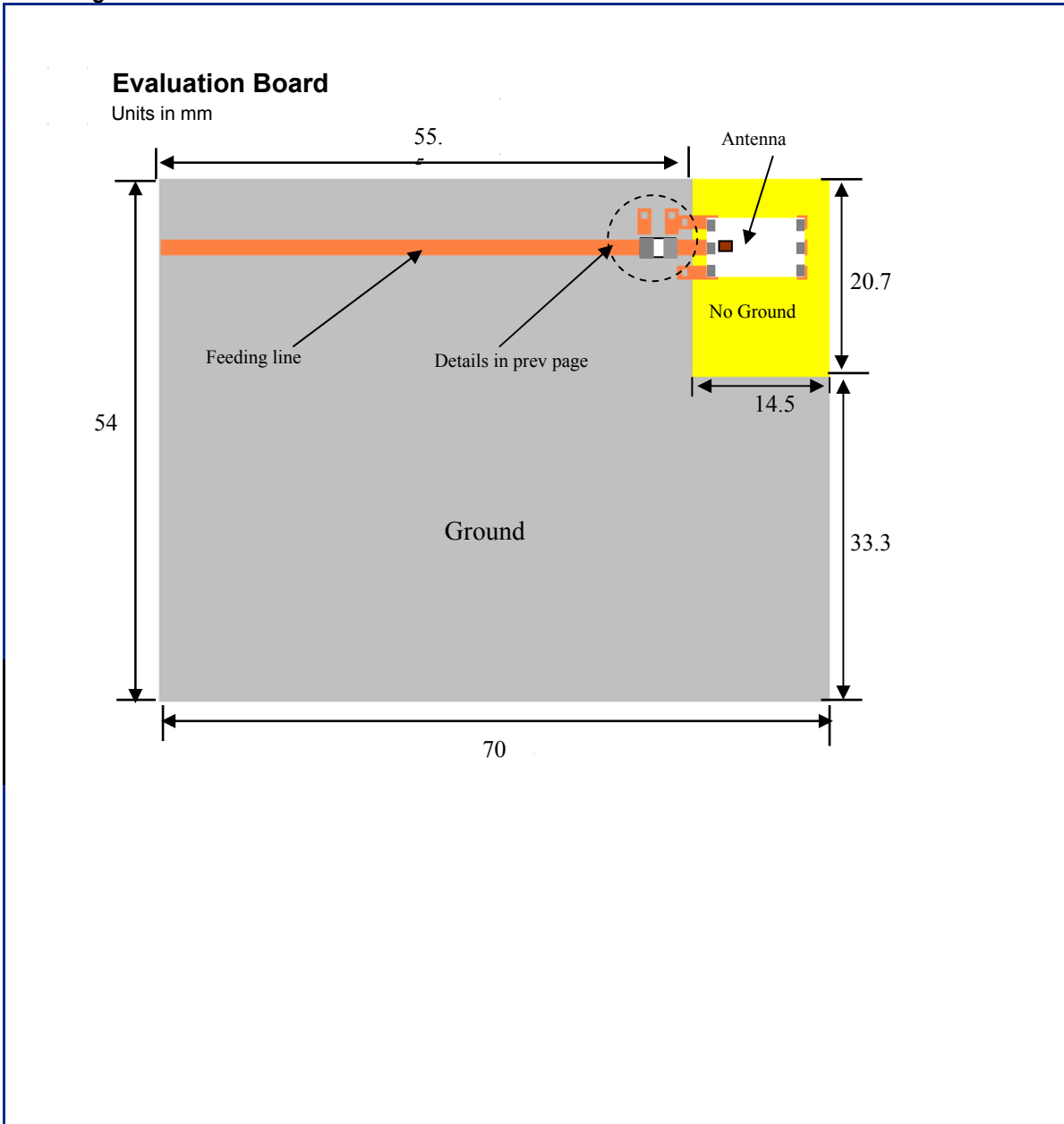
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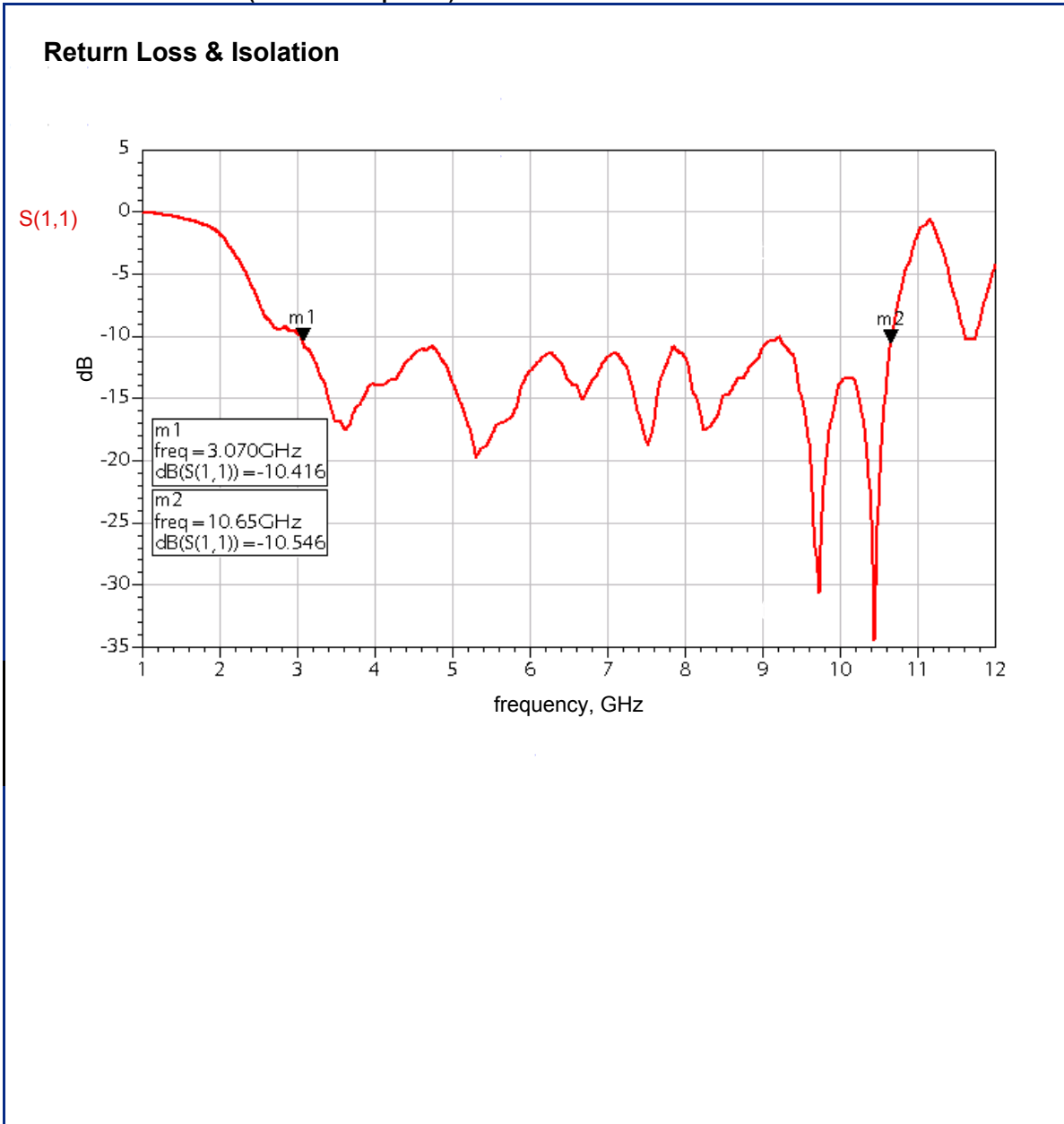
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Electrical Performance (At room temp 25°C)



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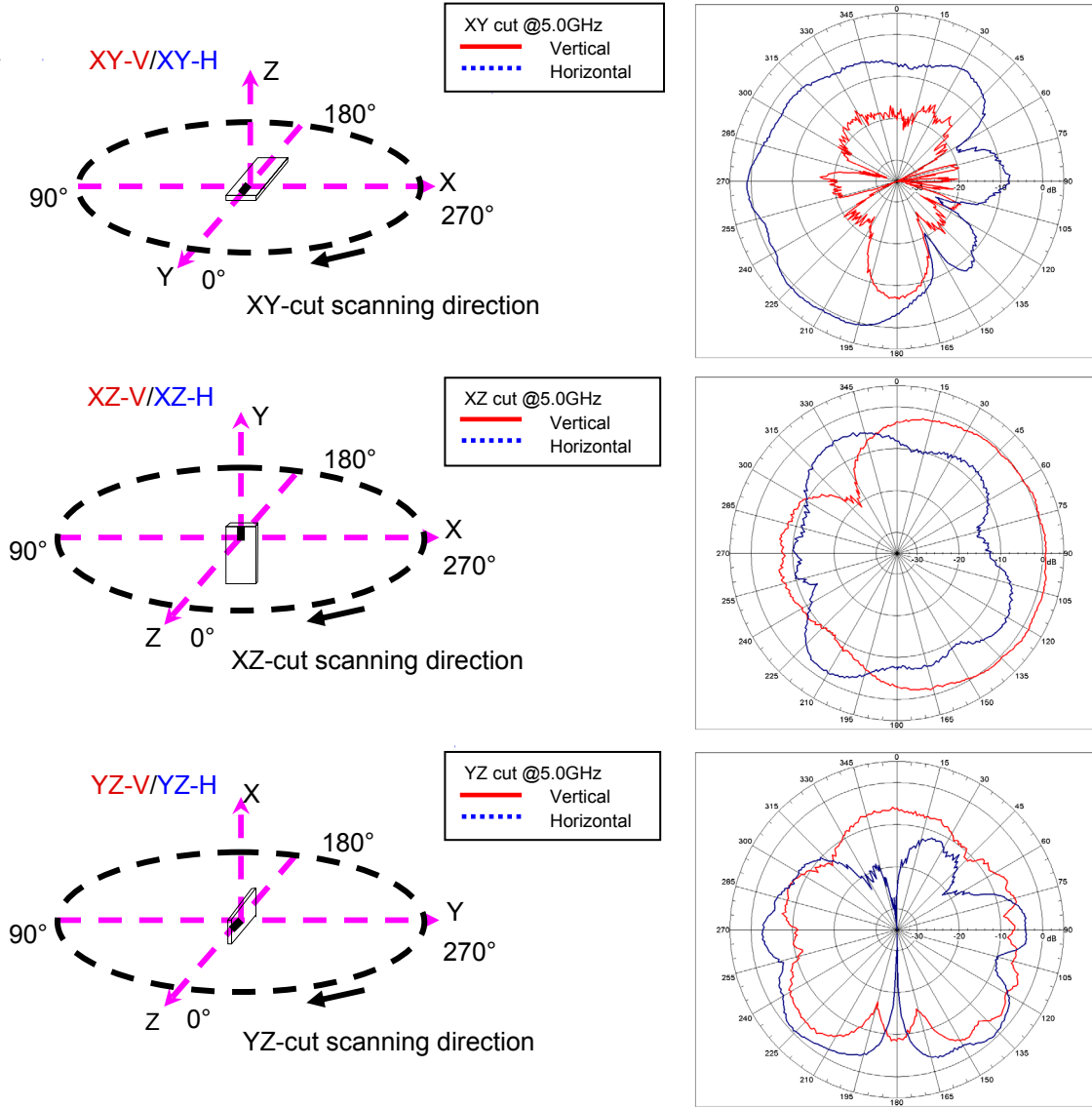
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Antenna Radiation Patterns



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