



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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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

5.5 GHz Chip Antenna

P/N 5500AT18A0725

Detail Specification: 01/27/09

Page 1 of 4

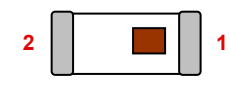
General Specifications

Part Number	5500AT18A0725
Frequency Range	5150 - 5875 Mhz
Peak Gain	2.0 dBi typ. (XZ-V)
Average Gain	-2.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	2W max.
Impedance	50 Ω
Reel Quantity	3,000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45~75%RH, 12 mos. Max

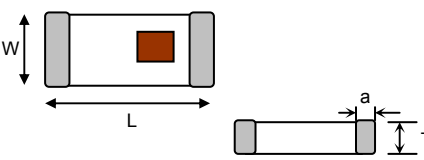
P/N	Packaging Style	Bulk	Suffix = S	Eg. 5500AT18A0725S
	Termination Style	T & R	Suffix = E	Eg. 5500AT18A0725E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 5500AT18A0725(E or S)
		Tin / Lead	Please consult Factory	

Terminal Configuration	
No.	Function
1	Feeding Point
2	NC



Mechanical Dimensions

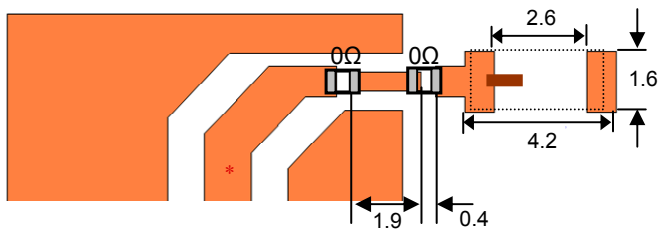
	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.051 +.004/-0.008	1.30 +0.1/-0.2
a	0.020 ± 0.012	0.50 ± 0.30



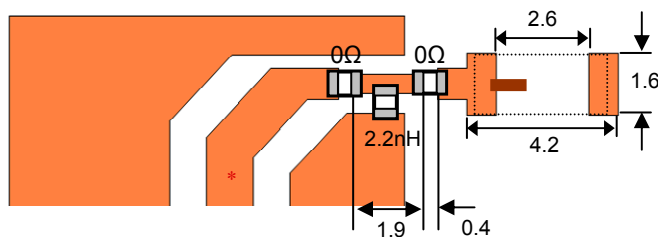
Mounting Considerations

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

*Line width should be designed to provide 50Ω impedance matching characteristics.



a) Without Matching Circuits



b) With Matching Circuits

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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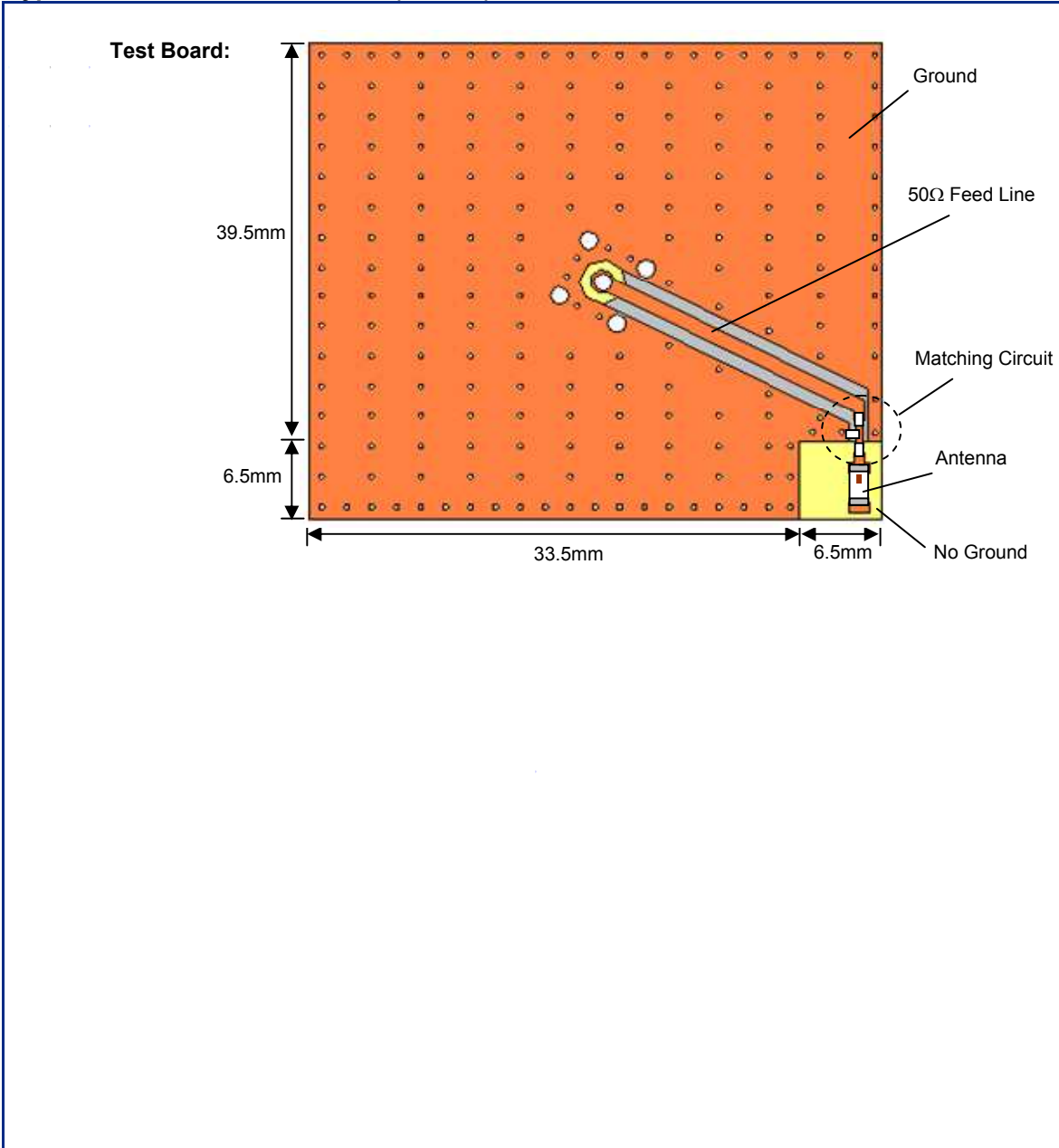
5.5 GHz Chip Antenna

P/N 5500AT18A0725

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Typical Electrical Characteristics (T=25°C)



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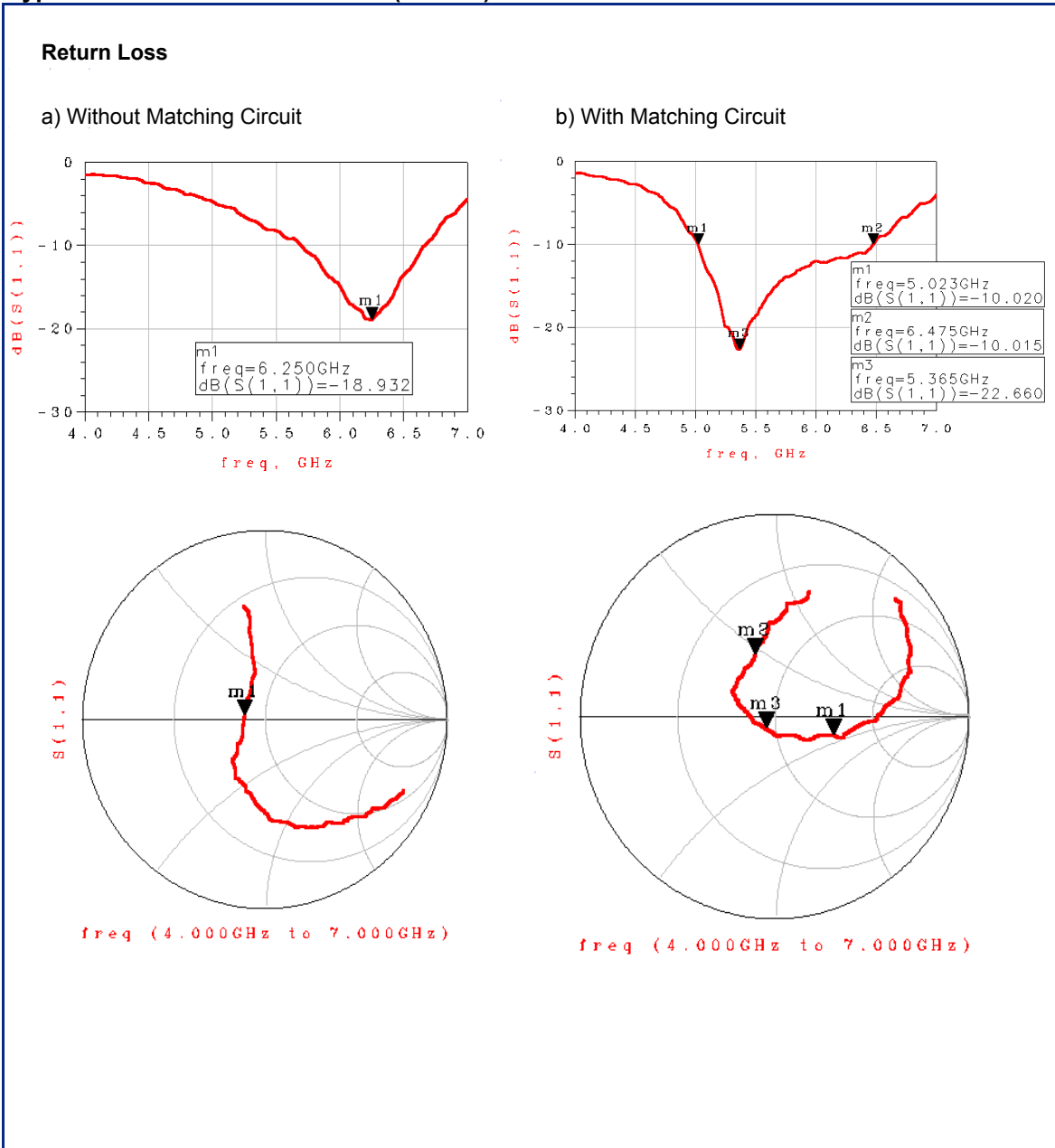
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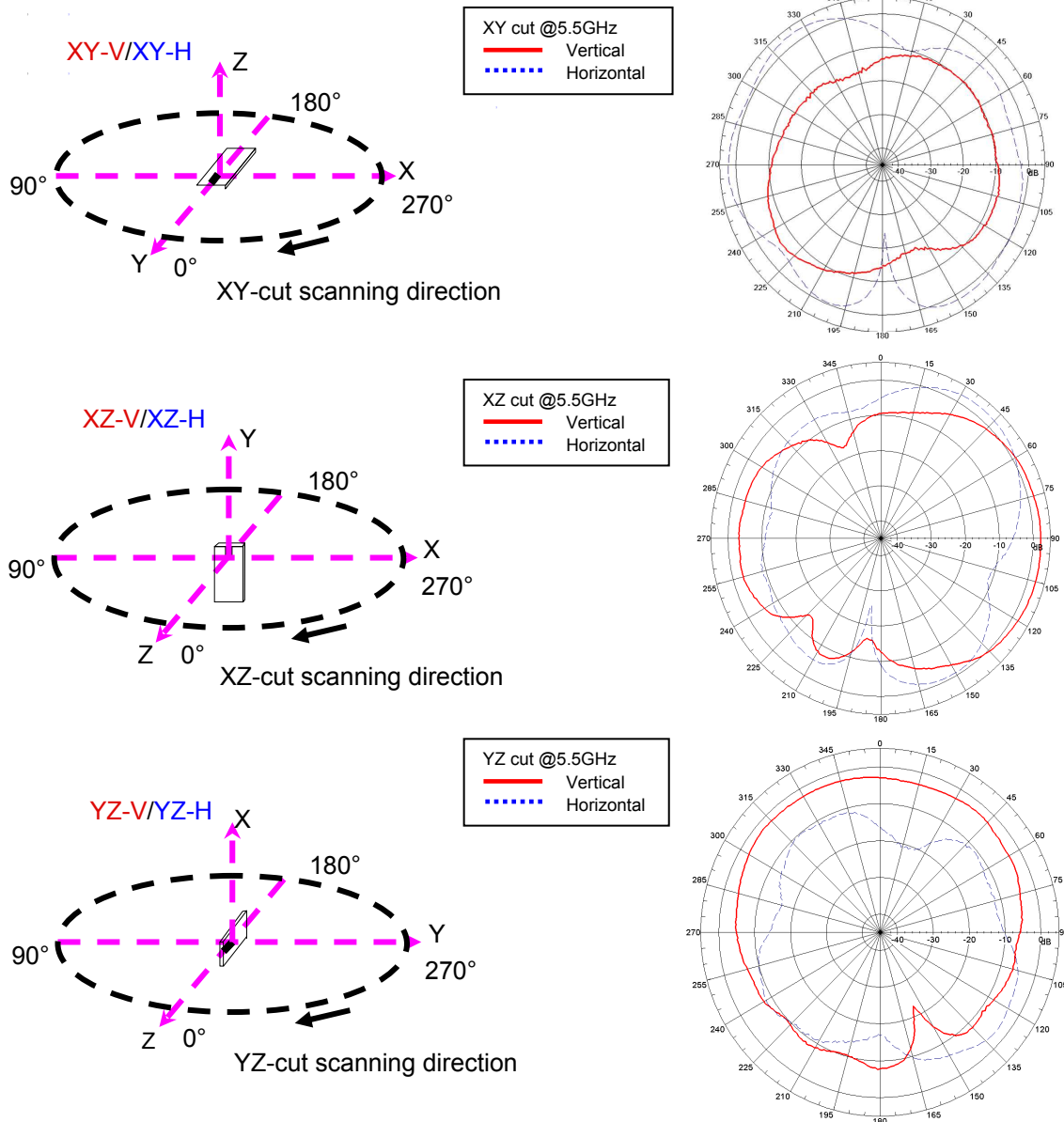
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Typical Radiation Patterns



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