



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT42A100

Detail Specification: 01/25/2012

Page 1 of 3

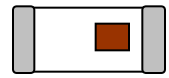
General Specifications

Part Number	2450AT42A100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0 dBi typ. (XZ-V)
Average Gain	-1 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	3 Watts max.
Impedance	50 Ω
Operating Temp.	-40 to +85°C
Reel Quantity	2,000

P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450AT42A100S
		T & R	Suffix = E	Eg. 2450AT42A100E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2450AT42A100(E or S)
	Evaluation Board	2450AT42A100-EB1SMA		

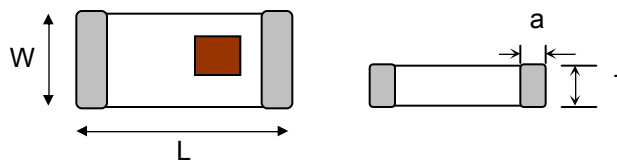
Terminal Configuration



No.	Function
1	Feeding Point
2	NC

Mechanical Dimensions

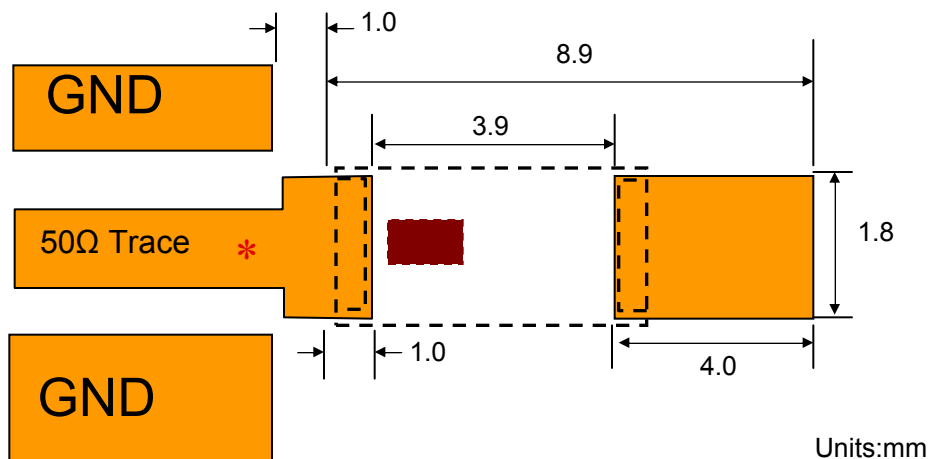
	In	mm
L	0.197 ± 0.008	5.00 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.043 ± 0.008	1.10 ± 0.20
a	0.020 ± 0.012	0.50 ± 0.30



Mounting Considerations

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

*Line width should be designed to provide 50Ω impedance matching characteristics. Final mounting on customer's PCB might need a shunt-series-shunt type antenna matching circuit



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

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

"High Frequency Ceramic Solutions"

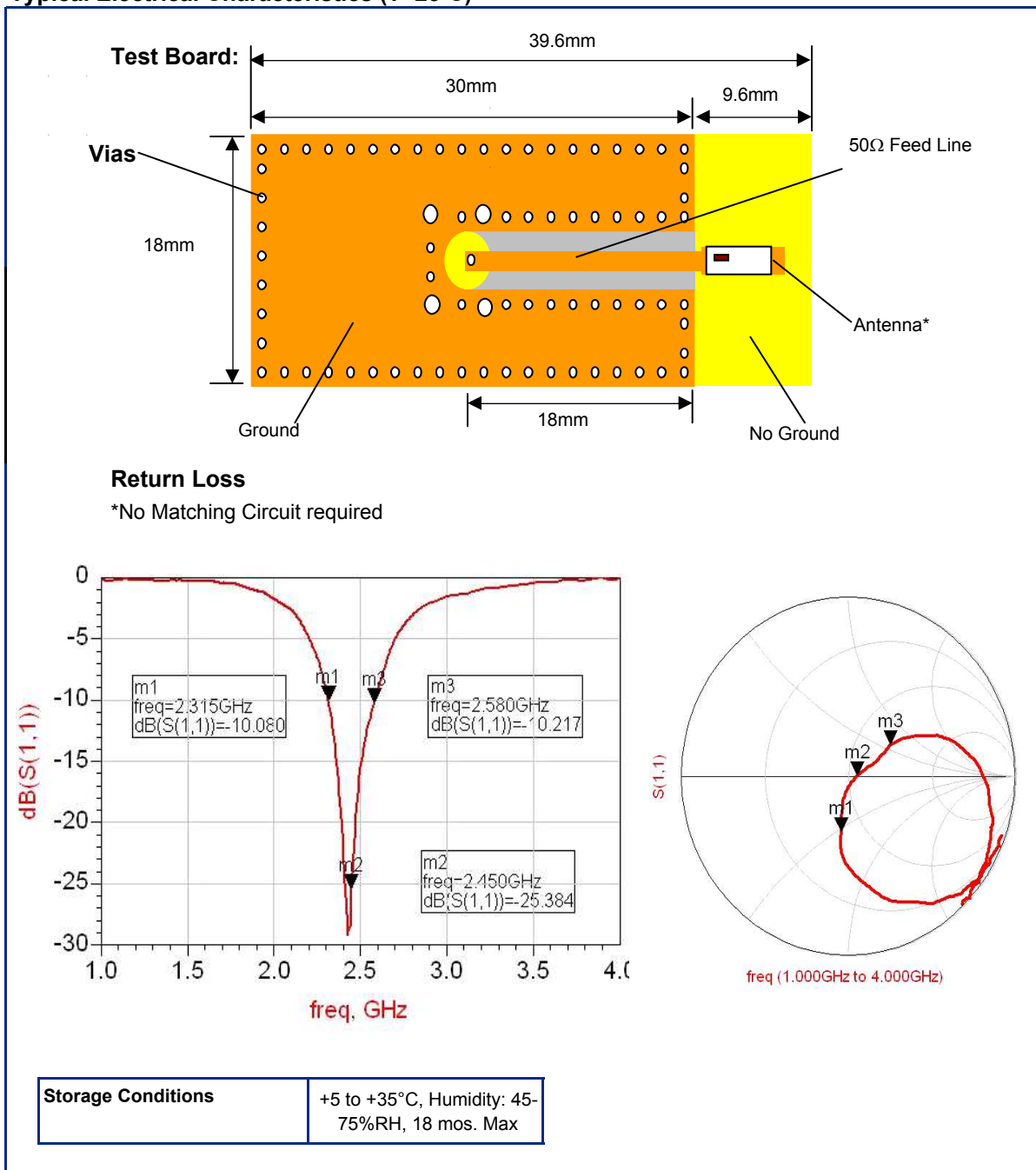
2.45 GHz Antenna

P/N 2450AT42A100

Detail Specification: 01/25/2012

Page 2 of 3

Typical Electrical Characteristics (T=25°C)



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

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

"High Frequency Ceramic Solutions"

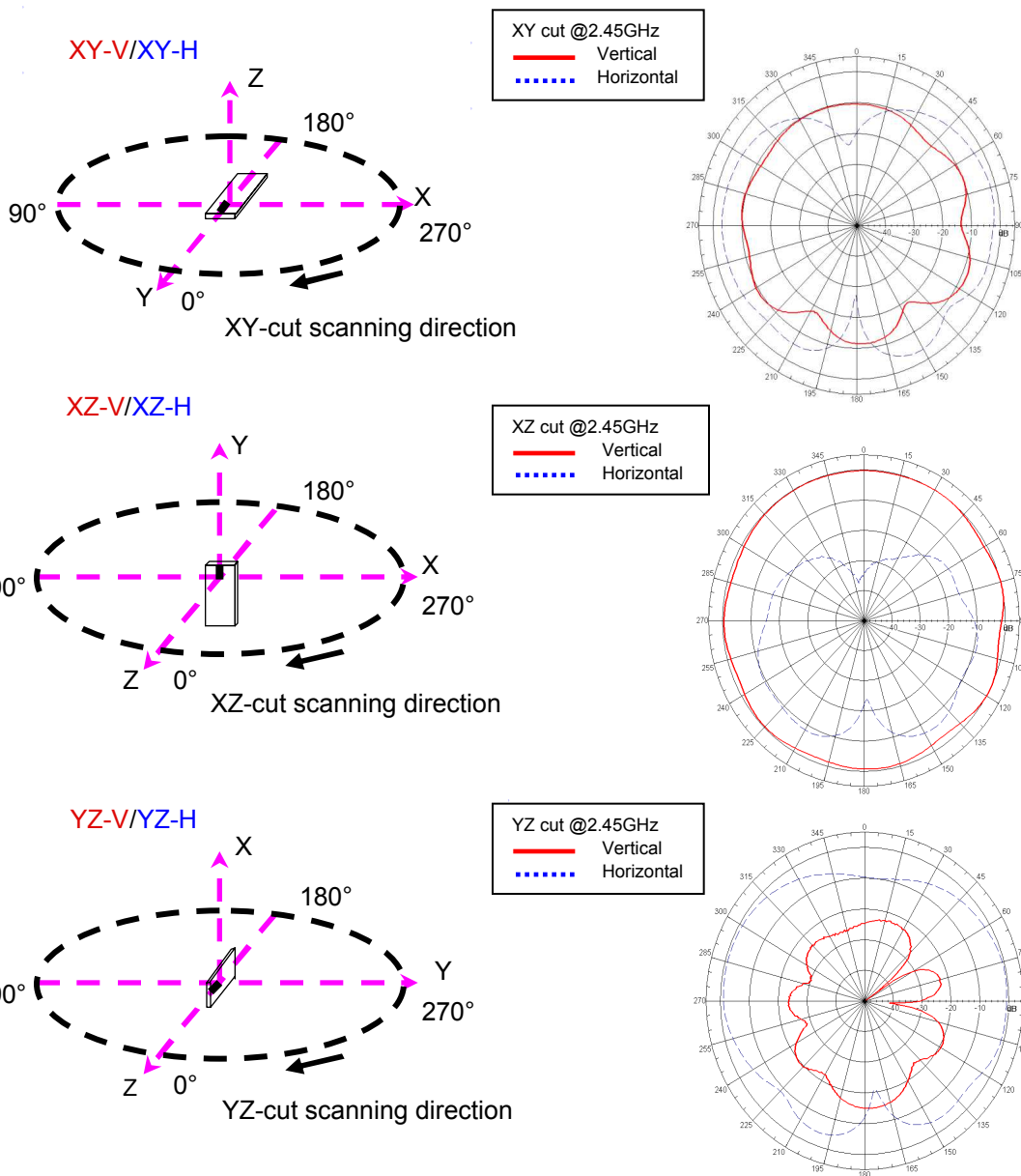
2.45 GHz Antenna

P/N 2450AT42A100

Detail Specification: 01/25/2012

Page 2 of 3

Typical Radiation Patterns



Johanson Technology, Inc. reserves the right to make design changes without notice.
 All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2012 Johanson Technology, Inc. All Rights Reserved