



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

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# “High Frequency Ceramic Solutions”

## 2.45 GHz Chip Antenna

P/N 2450AT44A100

Detail Specification: 02/19/03

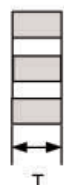
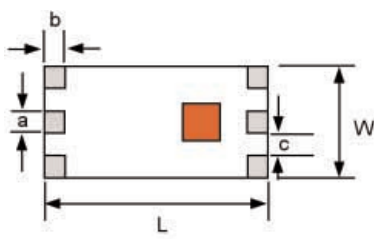
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Part Number	Frequency (MHz)	Peak Gain (XZ-V)	Ave. Gain (XZ-V)	Return Loss
2450AT44A100_	2400 - 2500	1.3 dBi typ.	0 dBi typ.	9.5 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	1000

### Mechanical Dimensions

	L	W	T	a	b	c
Inches	0.299 ± .012	0.138 ± .008	0.051 ± .004	0.028 ± .008	0.020 ± .012	0.028 ± .008
mm	7.6 ± 0.3	3.5 ± 0.2	1.3 ± 0.1	0.7 ± 0.2	0.5 ± 0.3	0.7 ± 0.2



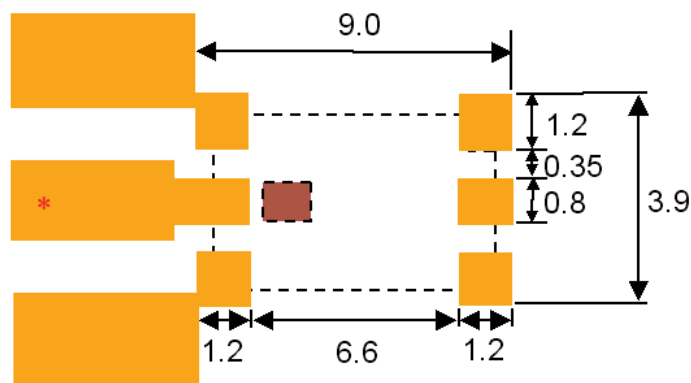
No.	Terminal Name	No.	Terminal Name
①	GND	④	NC
②	Feed Point	⑤	NC
③	GND	⑥	NC

### Mounting Considerations

Mount these devices with brown colored side facing up.

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

Units: mm



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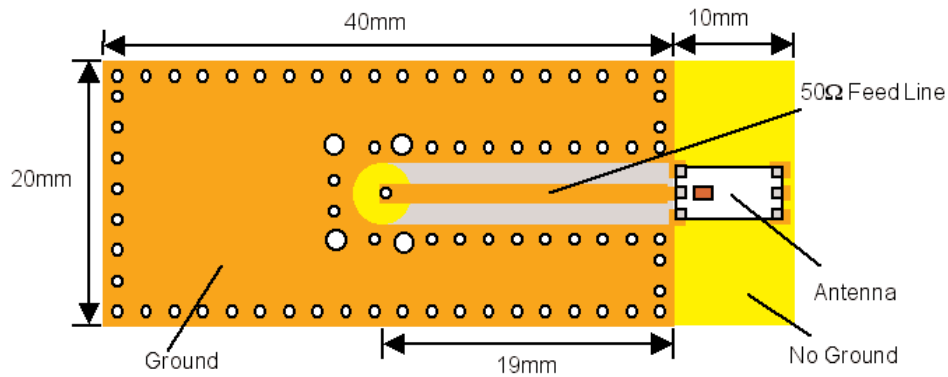
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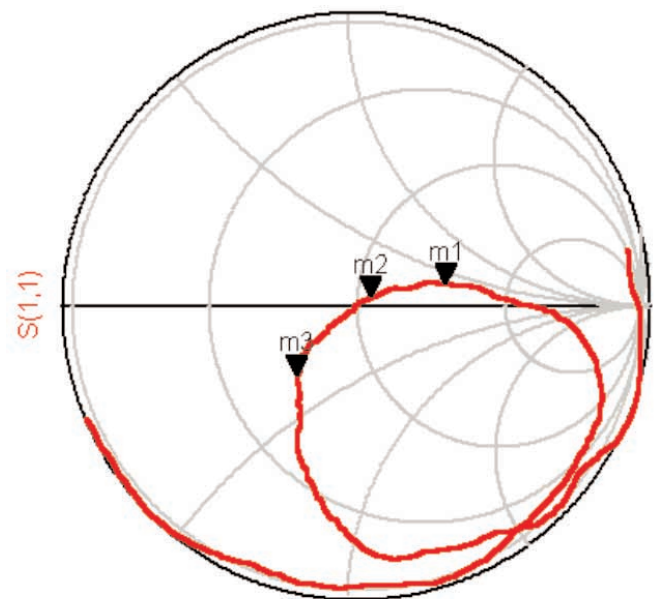
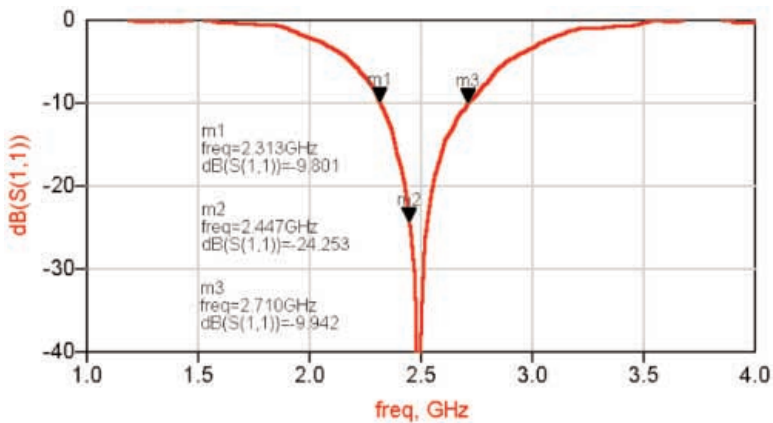
P/N 2450AT44A100

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### Test Board for Electrical Characteristic Measurements



### Typical Return Loss for P/N 2450AT44A100



freq (1.000GHz to 4.000GHz)



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Typical Radiation Patterns for P/N 2450AT44A100

