



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"

5.4 GHz Wideband Antenna

P/N 5400AT18A1000

Detail Specification: 01/27/2011

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General Specifications

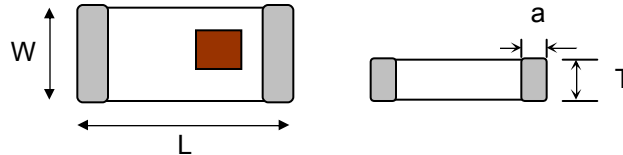
Part Number	5400AT18A1000
Frequency Range	4900 - 5900 Mhz
Peak Gain	2.0 dBi typ. (XZ-V)
Average Gain	-2.5 dBi typ. (XZ-V)
Return Loss	8.5 dB min.
Input Power	500mW max.
Impedance	50 Ω

Operating Temperature	-40 to +85°C
Reel Quantity	3,000
Storage Temperature	+5 to +35°C, Humidity:45-75%RH, 18 mos. Max

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

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

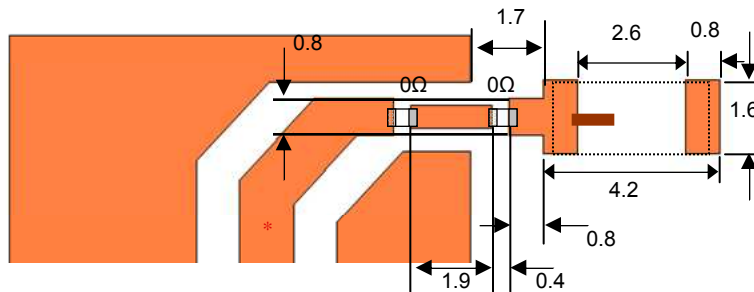


Mounting Considerations

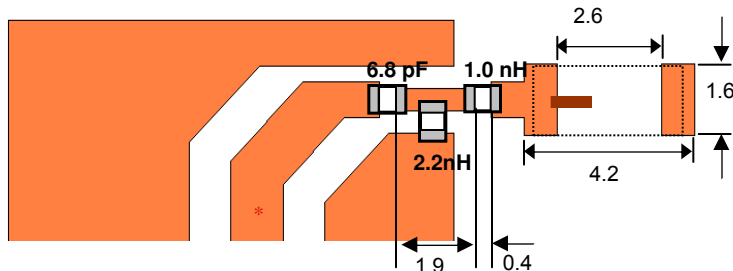
Mount these devices with brown mark facing up. Units: mm

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

a) Without Matching Circuit



b) With Matching Circuits



JTI P/N for Matching Circuit:
 Cap (6.8pF): 500R07S6R8BV4T
 Inductor (1.0nH): L-07C1N0SV6T
 Inductor (2.2nH): L-07C2N2SV6T

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"High Frequency Ceramic Solutions"

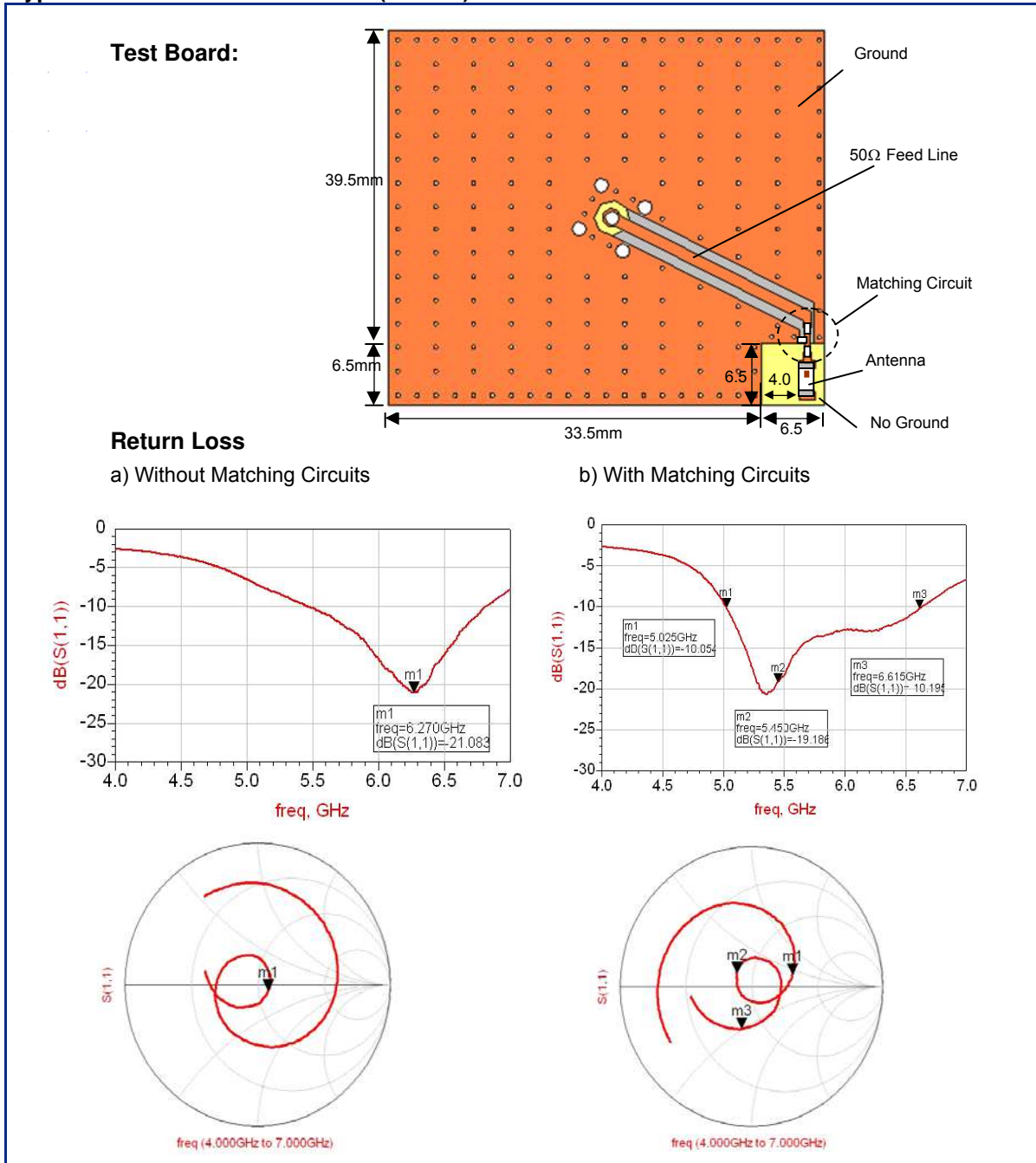
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Typical Electrical Characteristics (T=25°C)



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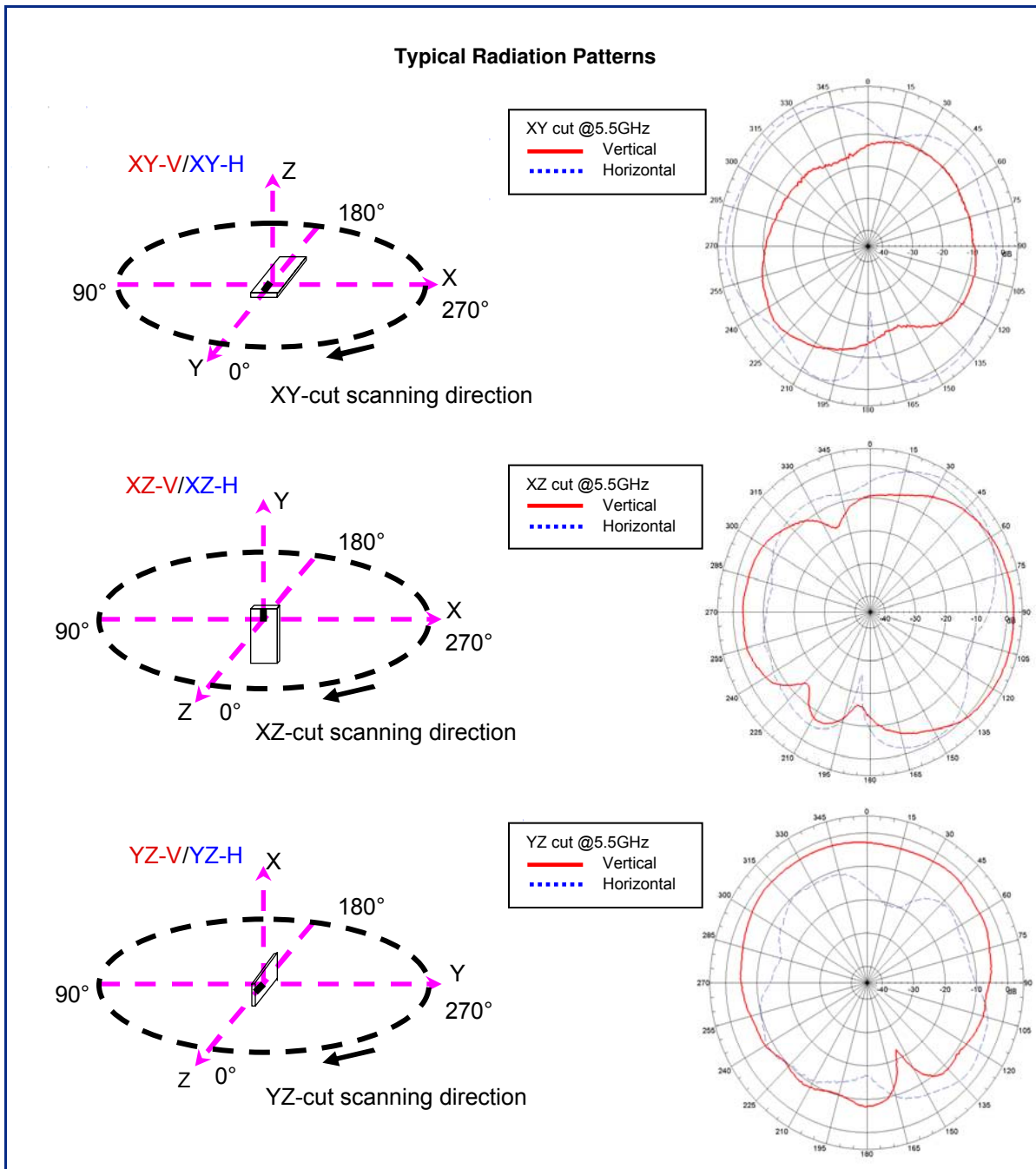
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