



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"

Preliminary

## 783 MHz Antenna

P/N 0783AT43A0008

Detail Specification: 10/01/09

Page 1 of 3

### General Specifications

Part Number	0783AT43A0008
Frequency Range	779 - 787 MHz
Peak Gain	-2.0 dBi typ. (XZ-total)
Average Gain	-5.0 dBi typ. (XZ-total)
Return Loss	9.5 dB min.
Impedance	50 $\Omega$
Input Power	2W max.

Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Reel Quantity	1,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

### Mechanical Dimensions

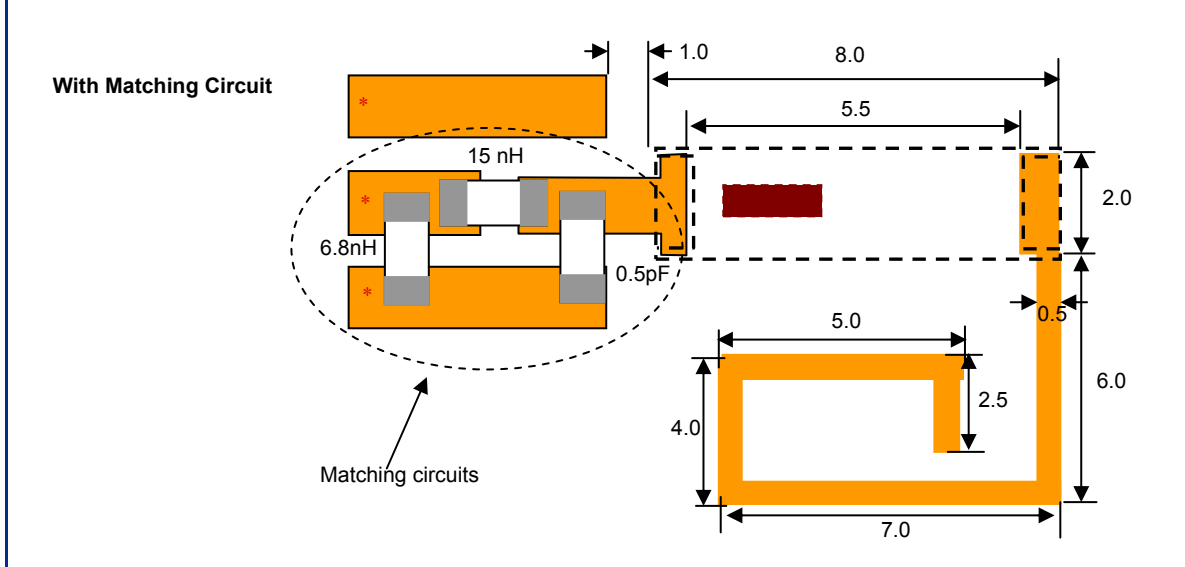
	In	mm
L	0.276 $\pm$ 0.008	7.00 $\pm$ 0.20
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20
T	0.031 +.004/-0.008	0.80 +0.1/-0.2
a	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30

### Mounting Considerations

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

\* Line width should be designed to provide 50  $\Omega$  impedance matching characteristics.

Matching circuit and component values will be different, depending on PCB layout



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

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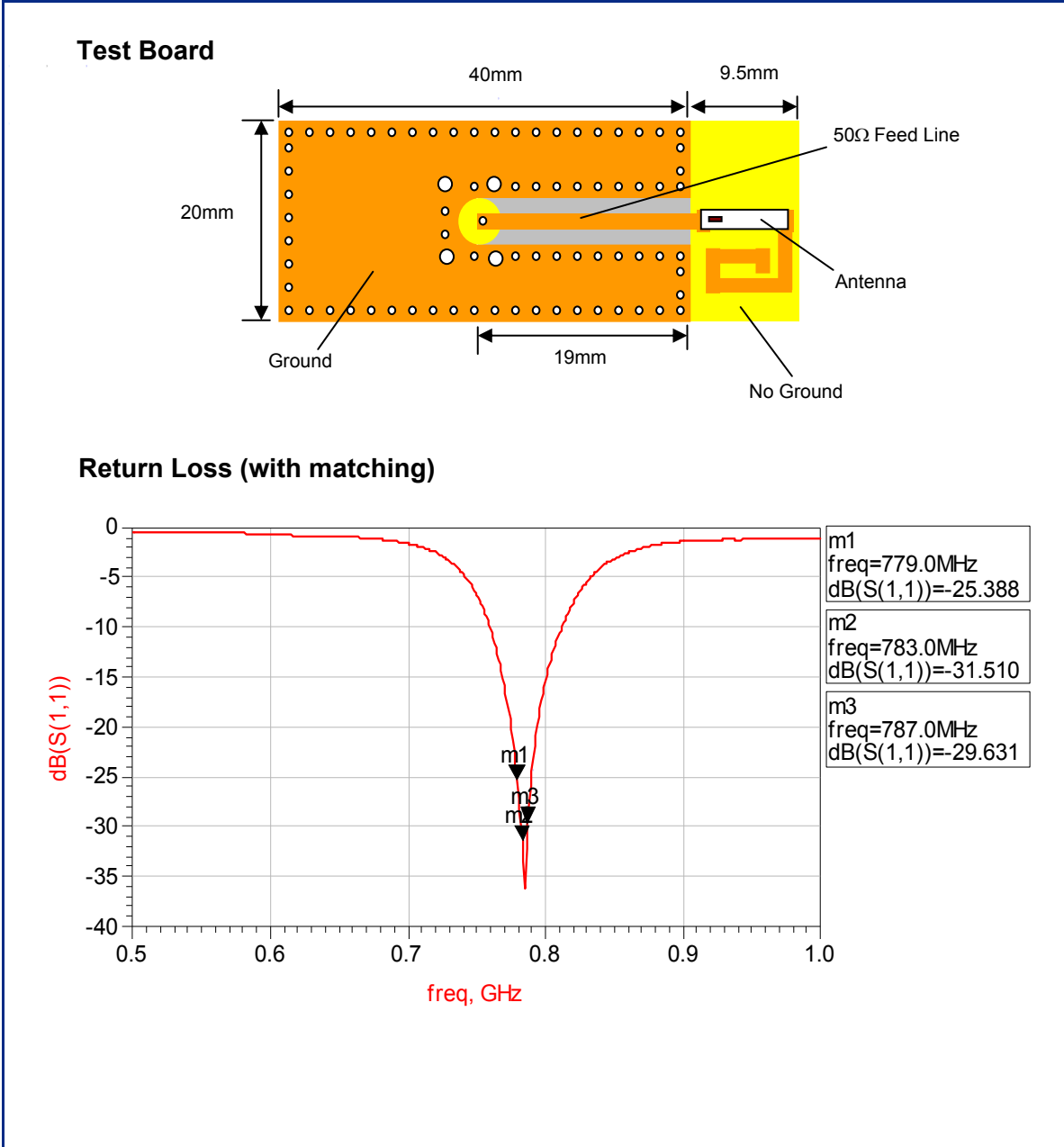


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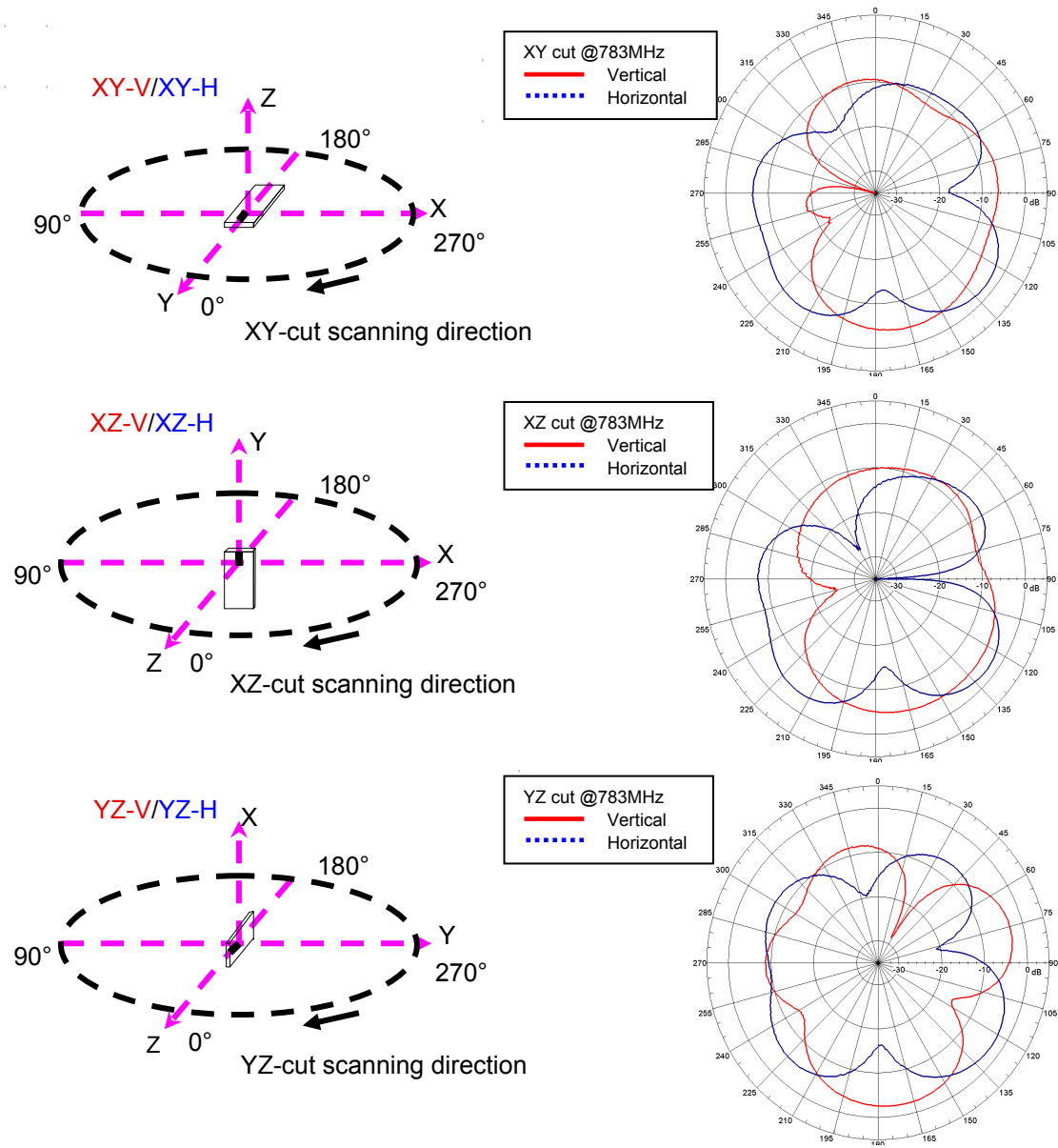
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## Mounting Considerations



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**Typical Radiation Patterns**



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