

# High Frequency Ceramic Solutions

## 2.6 GHz Wideband Chip Antenna

P/N 2600AT44A0600

Detail Specification: 03/22/10

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### General Specifications

Part Number	2600AT44A0600
Freq. Range (GHz)	2300 ~ 2900
Peak Gain (XZ-V)	2.0 dBi typ.
Average Gain (XZ-V)	0.0 dBi typ.
Return Loss	9.5 dB min.

Input Power	2W max.
Impedance	50 $\Omega$
Operating Temp.	-40 to +85°C
Storage Temp.	+5 to +85°C, Humidity 45-75%RH
Reel Quantity	1,000

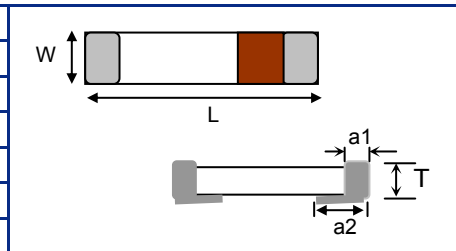
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2600AT44A0600S
		T & R	Suffix = E	Eg. 2600AT44A0600E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2600AT44A0600(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2600AT44A0600(E or S)/Pb

Terminal Configuration	
No.	Function
1	Feeding Point
2	NC



### Mechanical Dimensions

	In	mm
L	0.315 $\pm$ 0.008	8.00 $\pm$ 0.20
W	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
T	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
a1	0.020 $\pm$ 0.008	0.50 $\pm$ 0.20
a2	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20

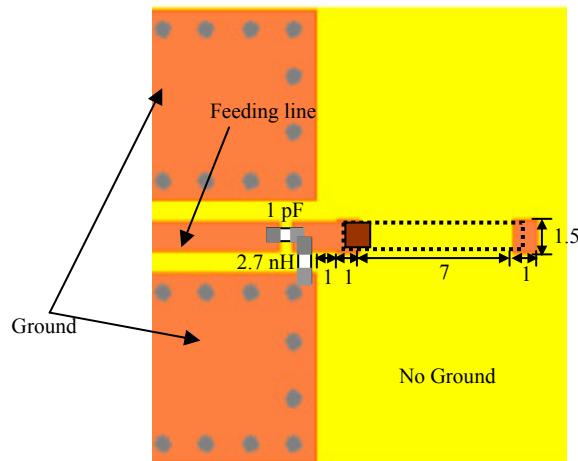


### Mounting Considerations

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

\* Line width should be designed to provide 50  $\Omega$  impedance matching characteristics, depending on PCB material and thickness.

With  
Matching  
Circuits



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

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[www.johansontechnology.com](http://www.johansontechnology.com)

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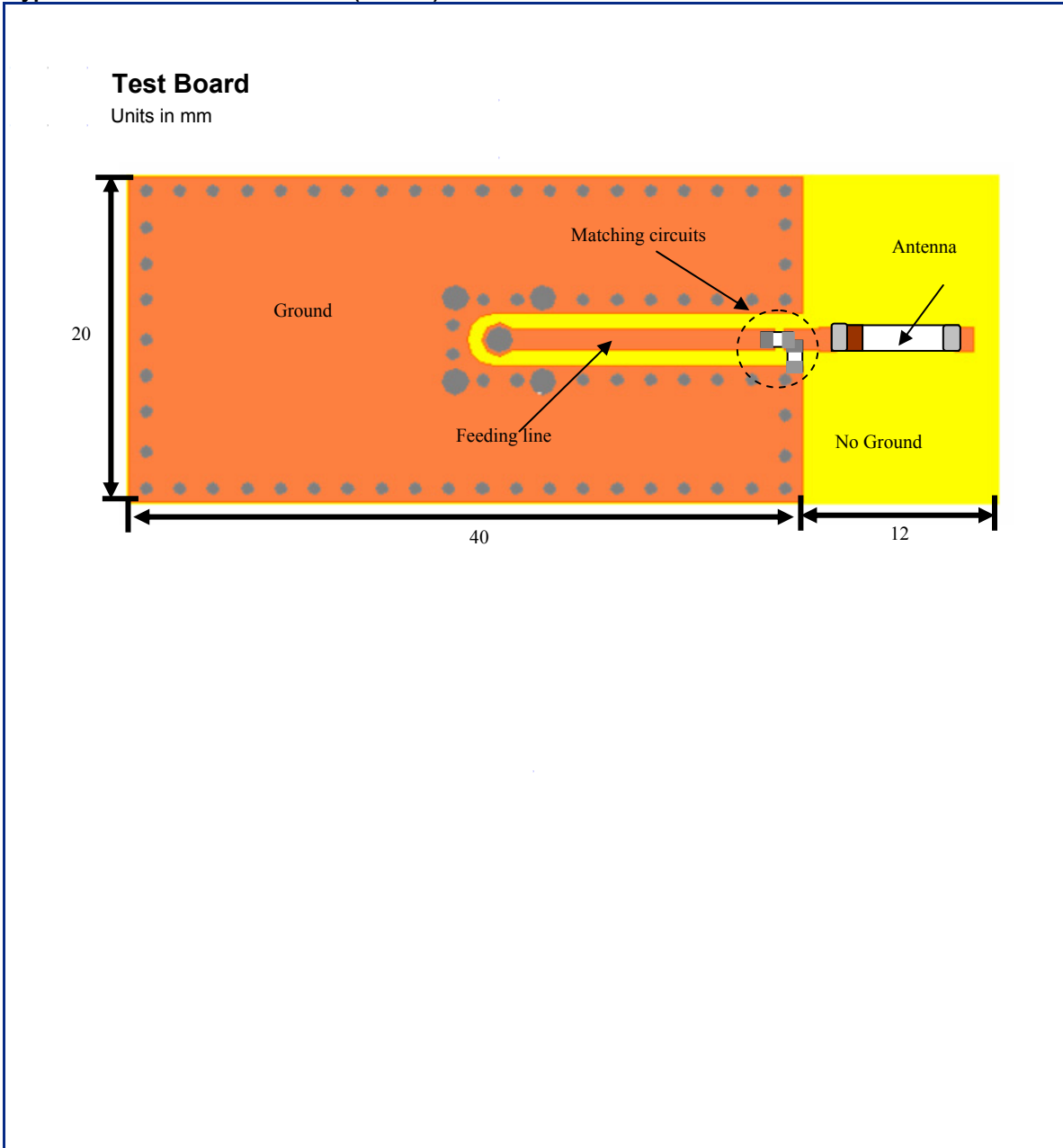
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## Typical Electrical Characteristics (T=25°C)



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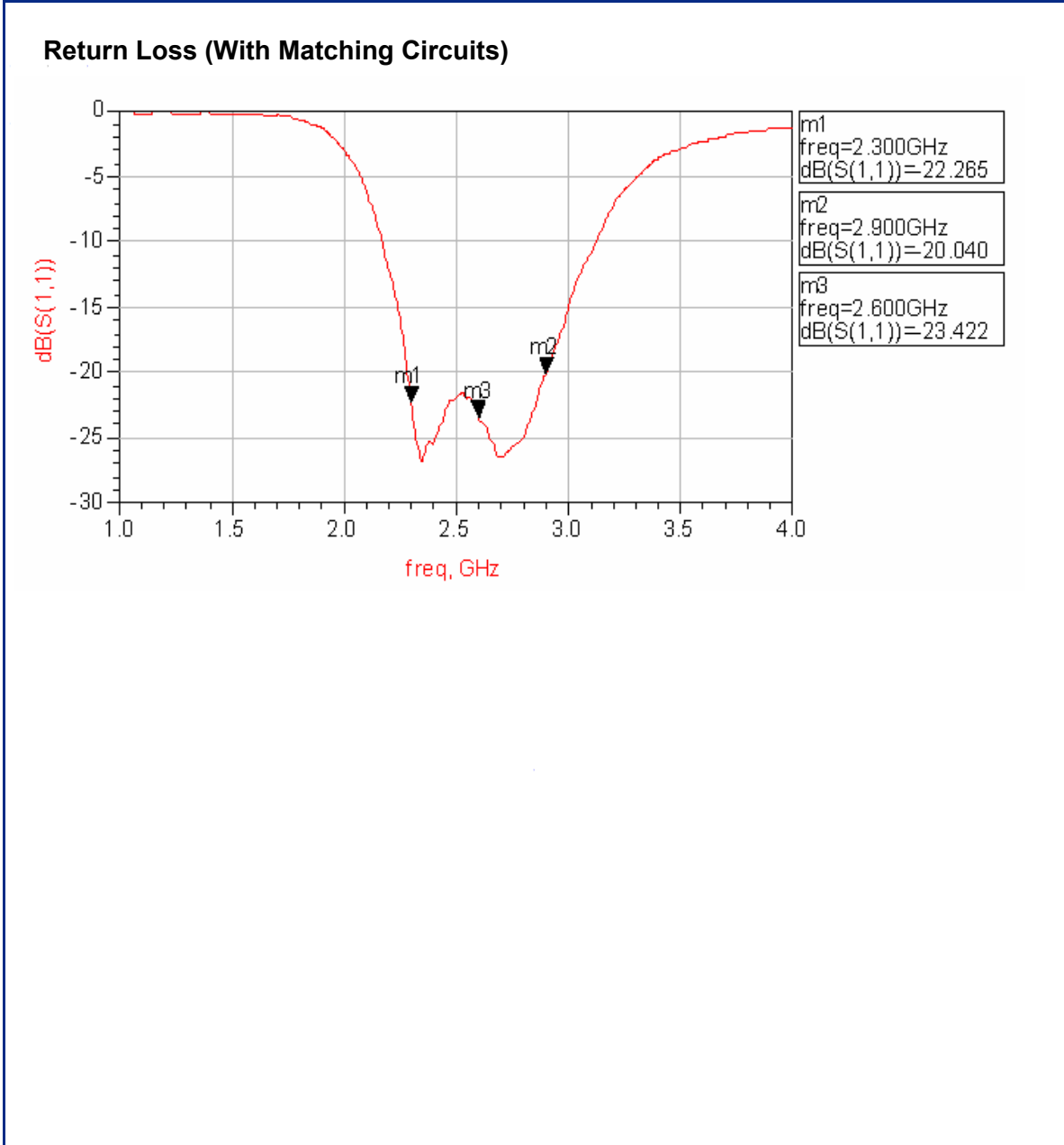
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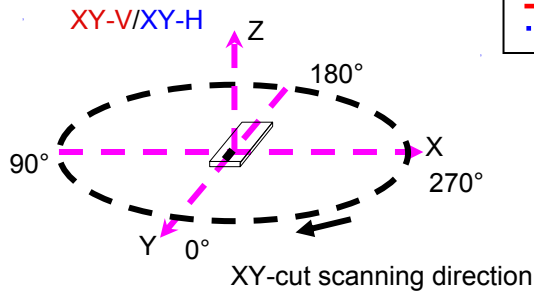
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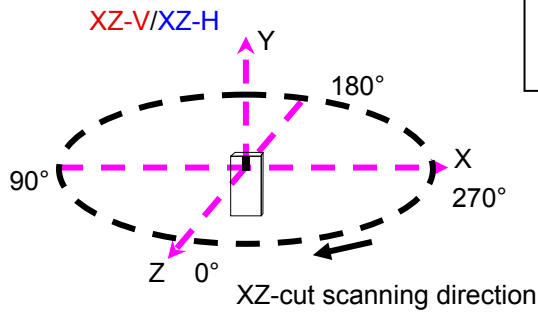
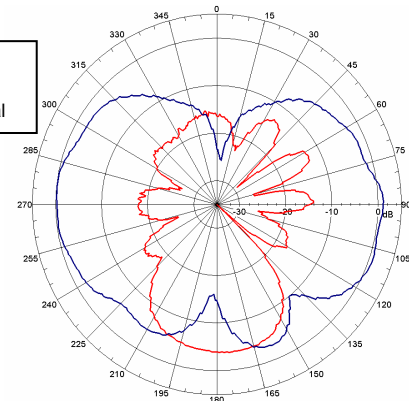
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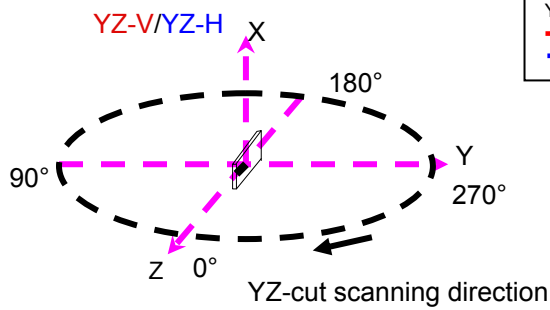
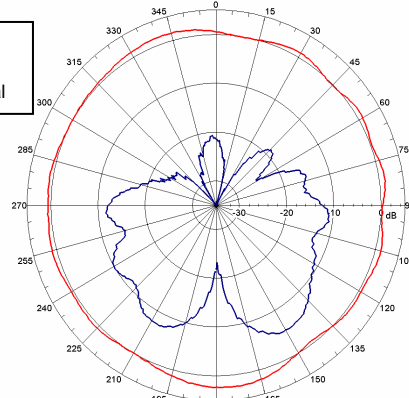
## Ant1 Radiation Patterns



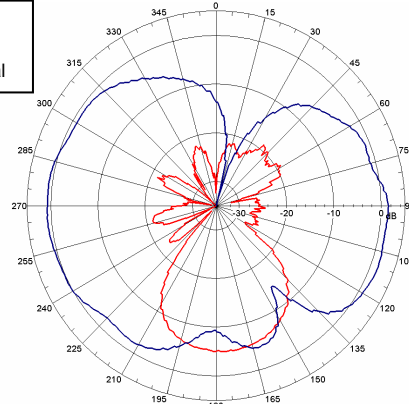
XY cut @2.6GHz  
 — Vertical  
 ..... Horizontal



XZ cut @2.6GHz  
 — Vertical  
 ..... Horizontal



YZ cut @2.6GHz  
 — Vertical  
 ..... Horizontal



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