

## Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)  
[5250AT43A200E](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

## "High Frequency Ceramic Solutions"

### 5.25 GHz Antenna

**P/N 5250AT43A200**

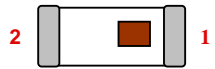
Detail Specification: 09/02/04

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#### General Specifications

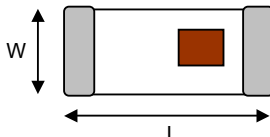
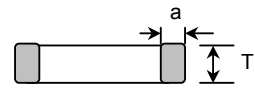
<b>Part Number</b>	5250AT43A200
<b>Frequency Range</b>	5150 - 5350 Mhz
<b>Peak Gain</b>	3.6 dBi typ. (XZ-V)
<b>Average Gain</b>	-2.3 dBi typ. (XZ-V)
<b>Return Loss</b>	9.5 dB min.

<b>Input Power</b>	3W max.
<b>Impedance</b>	50 Ω
<b>Operating Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	1,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

#### Mechanical Dimensions

	In	mm
<b>L</b>	0.276 ± 0.008	7.00 ± 0.20
<b>W</b>	0.079 ± 0.008	2.00 ± 0.20
<b>T</b>	0.047 +.004/-0.008	1.20 +0.1/-0.2
<b>a</b>	0.020 ± 0.012	0.50 ± 0.30

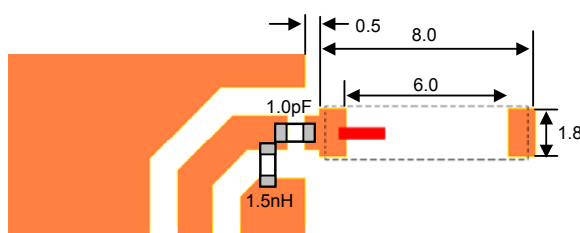



#### Mounting Considerations (Close Up)

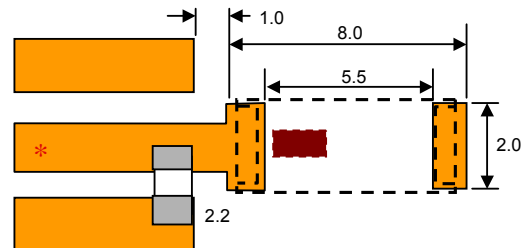
Mount these devices with brown mark facing up. Units: mm

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

**With Matching Circuit  
(Horizontal Mounting Situation)**



**With Matching Circuit  
(Vertical Mounting Situation)**



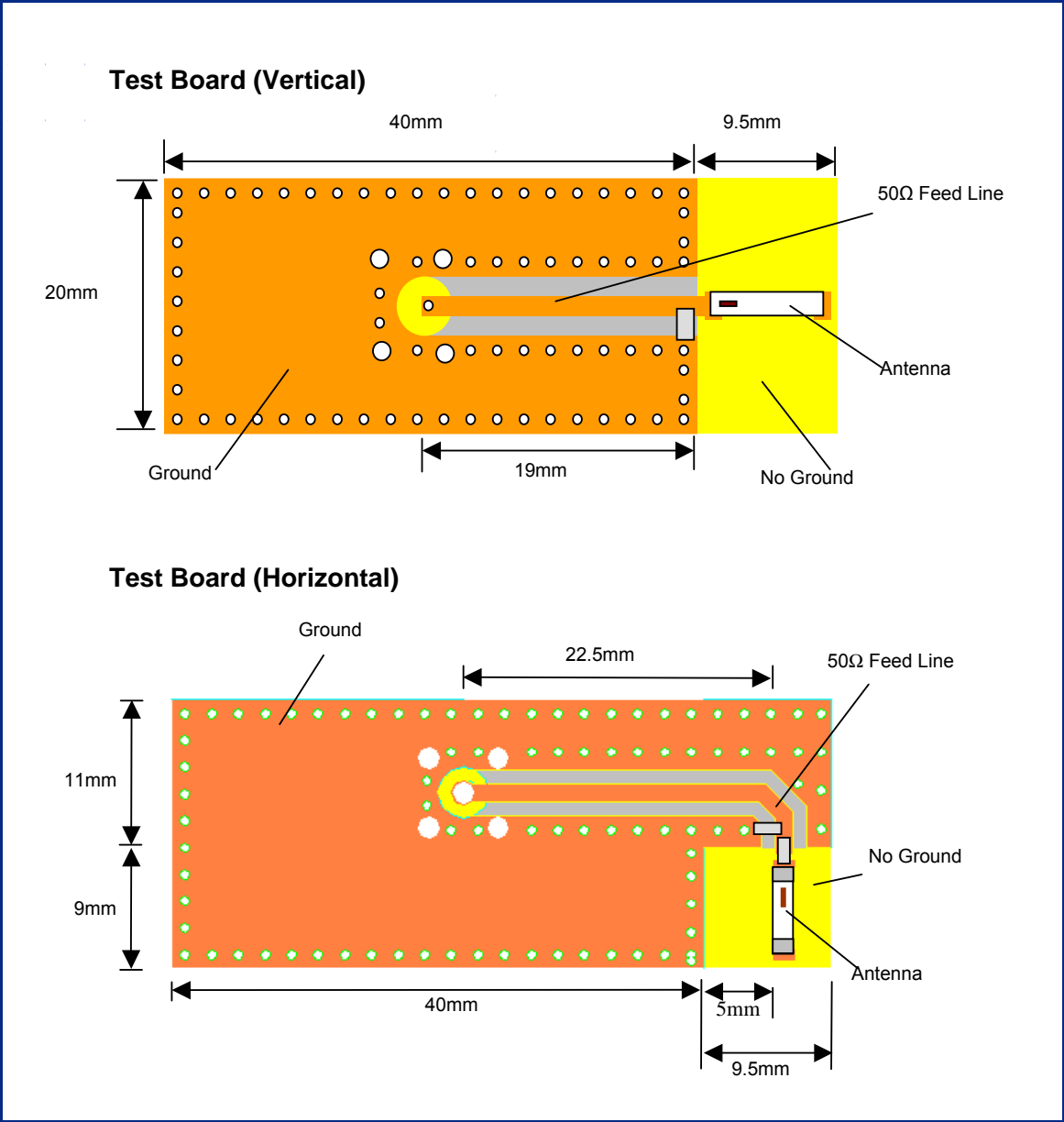
(Matching components, if used, will vary in value depending on PCB layout)

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**Mounting Considerations**

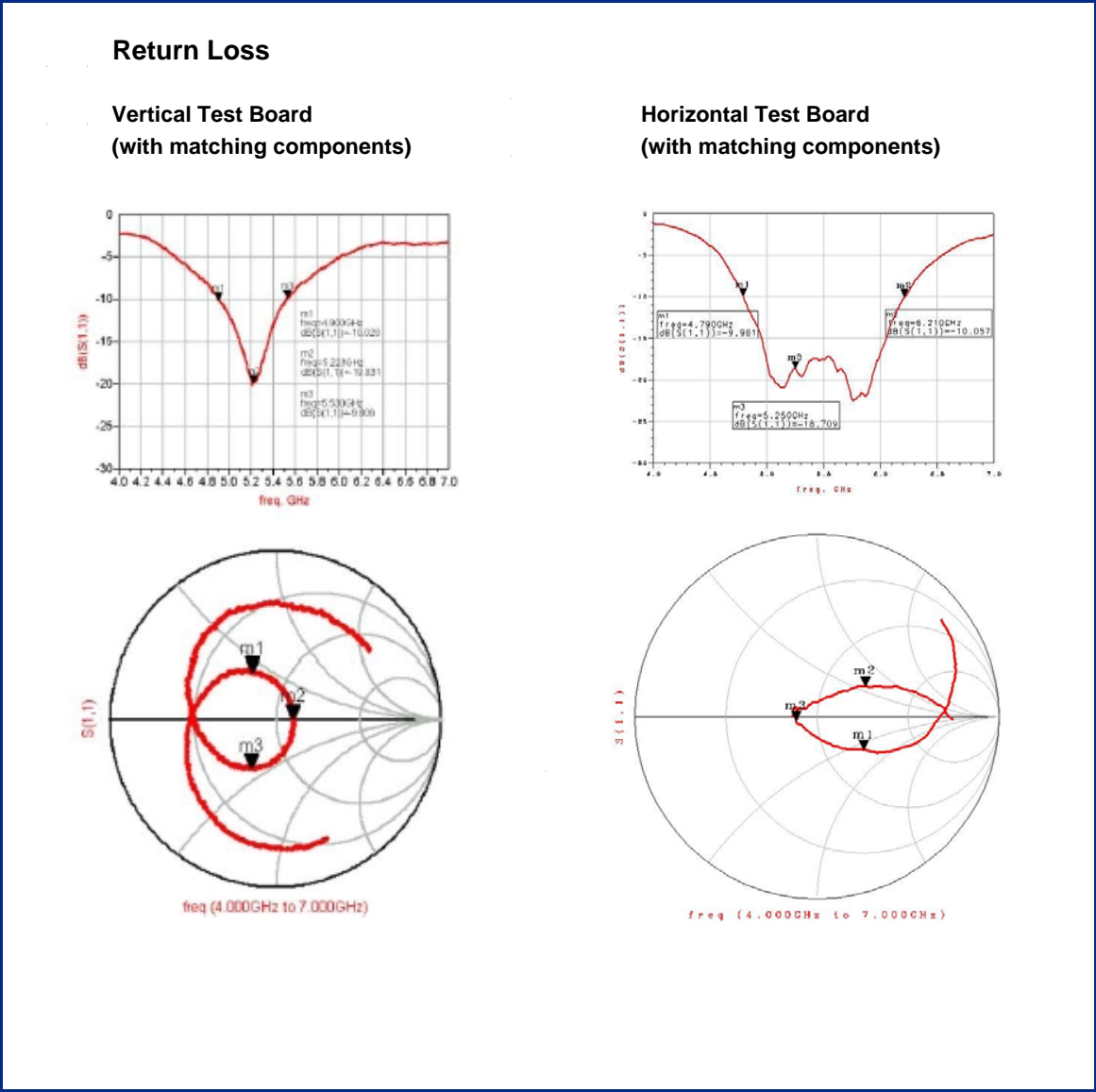


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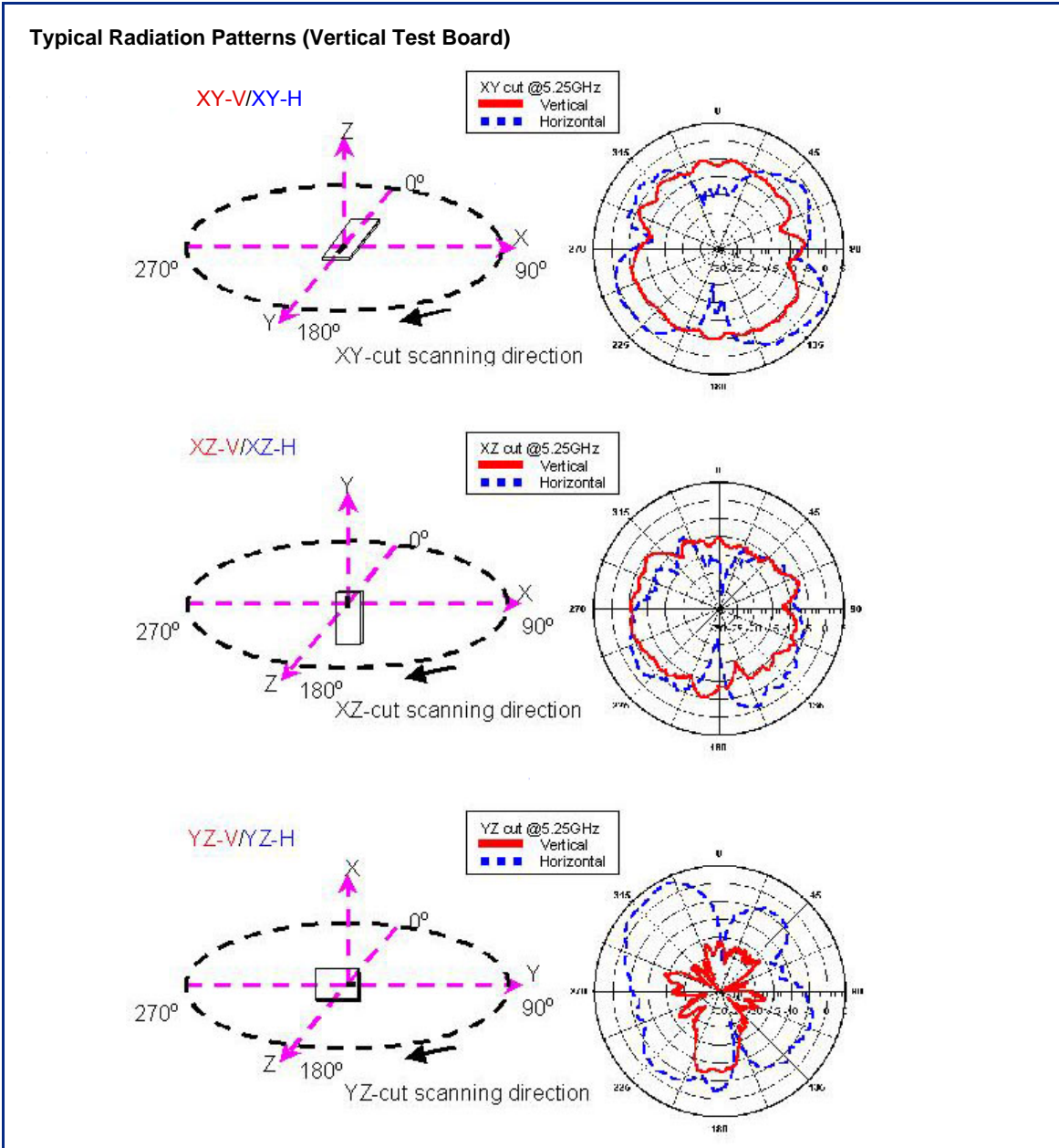
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**Typical Electrical Characteristics (T=25°C)**



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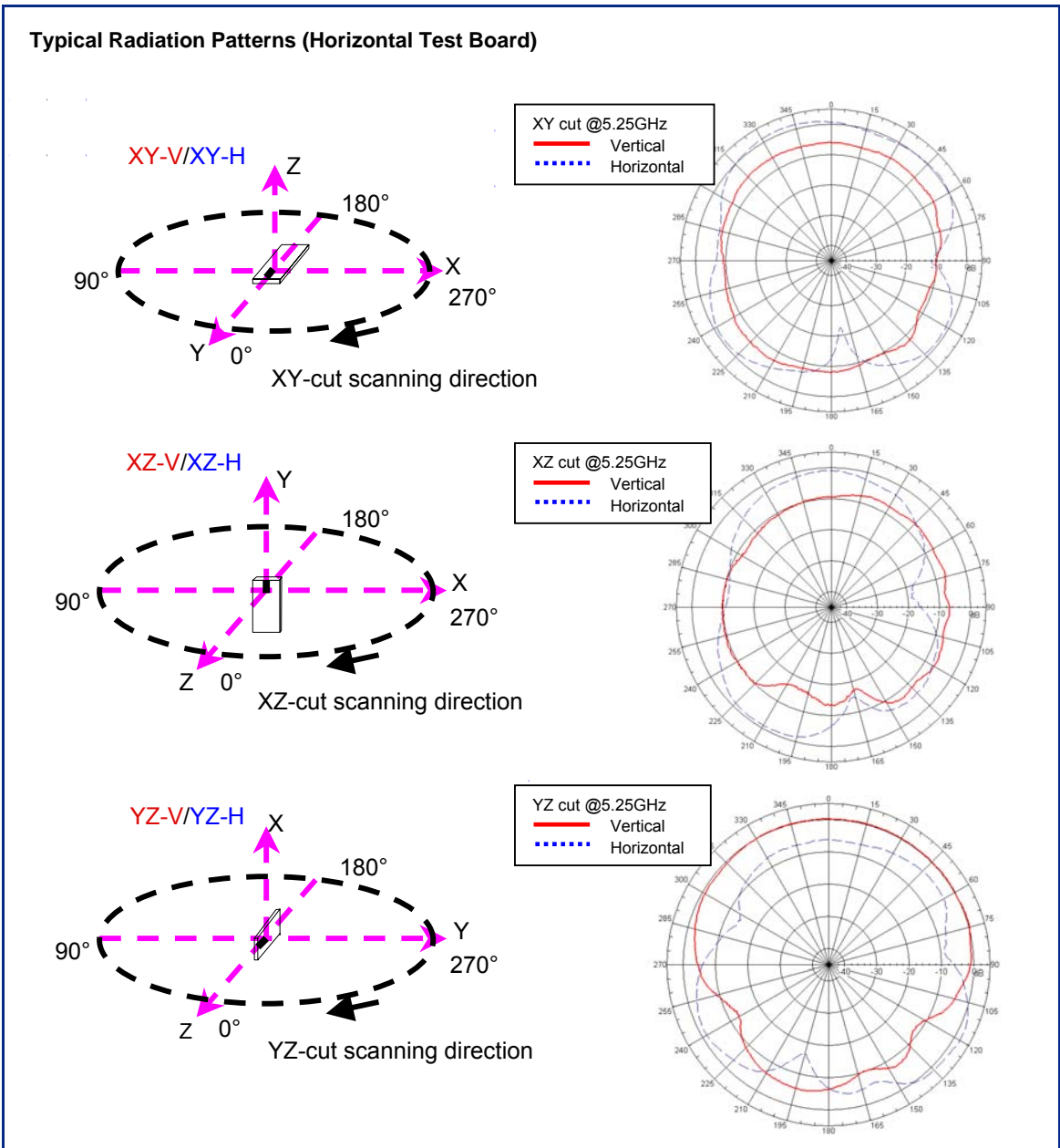
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