

# Preliminary "High Frequency Ceramic Solutions"

**2 GHz Antenna** Small form factor

**P/N 2000AT18A0075**

Detail Specification: 03/04/09

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## General Specifications

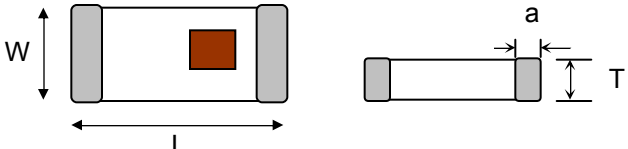
<b>Part Number</b>	2000AT18A0075
<b>Frequency Range</b>	1965 - 2040 Mhz
<b>Peak Gain</b>	0.3 dBi typ. (XZ-V)
<b>Average Gain</b>	-3 dBi typ. (XZ-V)
<b>Return Loss</b>	9.5 dB min.

<b>Input Power</b>	2 Watts max.
<b>VSWR</b>	2 max
<b>Operating Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	3000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

## Mechanical Dimensions

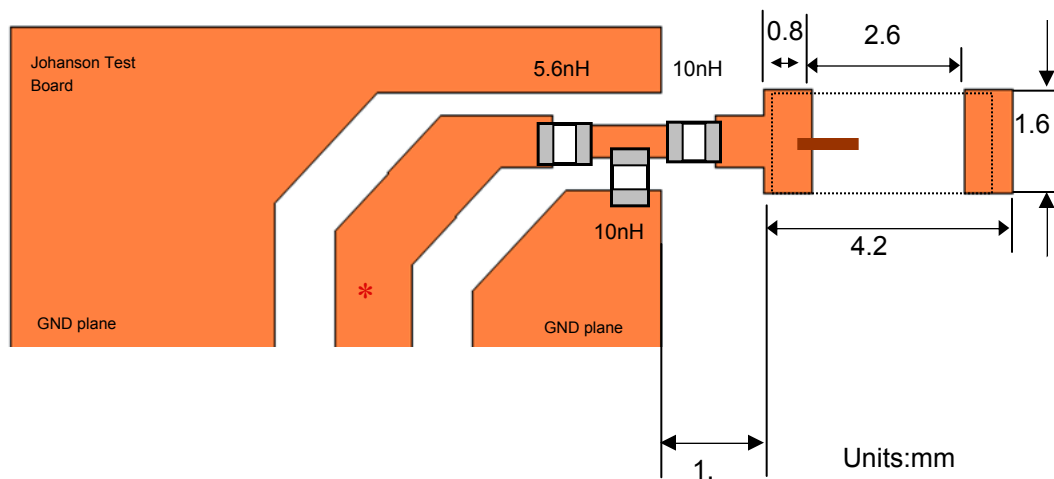
	In	mm
<b>L</b>	0.126 ± 0.008	3.20 ± 0.20
<b>W</b>	0.063 ± 0.008	1.60 ± 0.20
<b>T</b>	0.051 ± 0.008	1.30 ± 0.20
<b>a</b>	0.020 ± 0.012	0.50 ± 0.30



## Mounting Considerations

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

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



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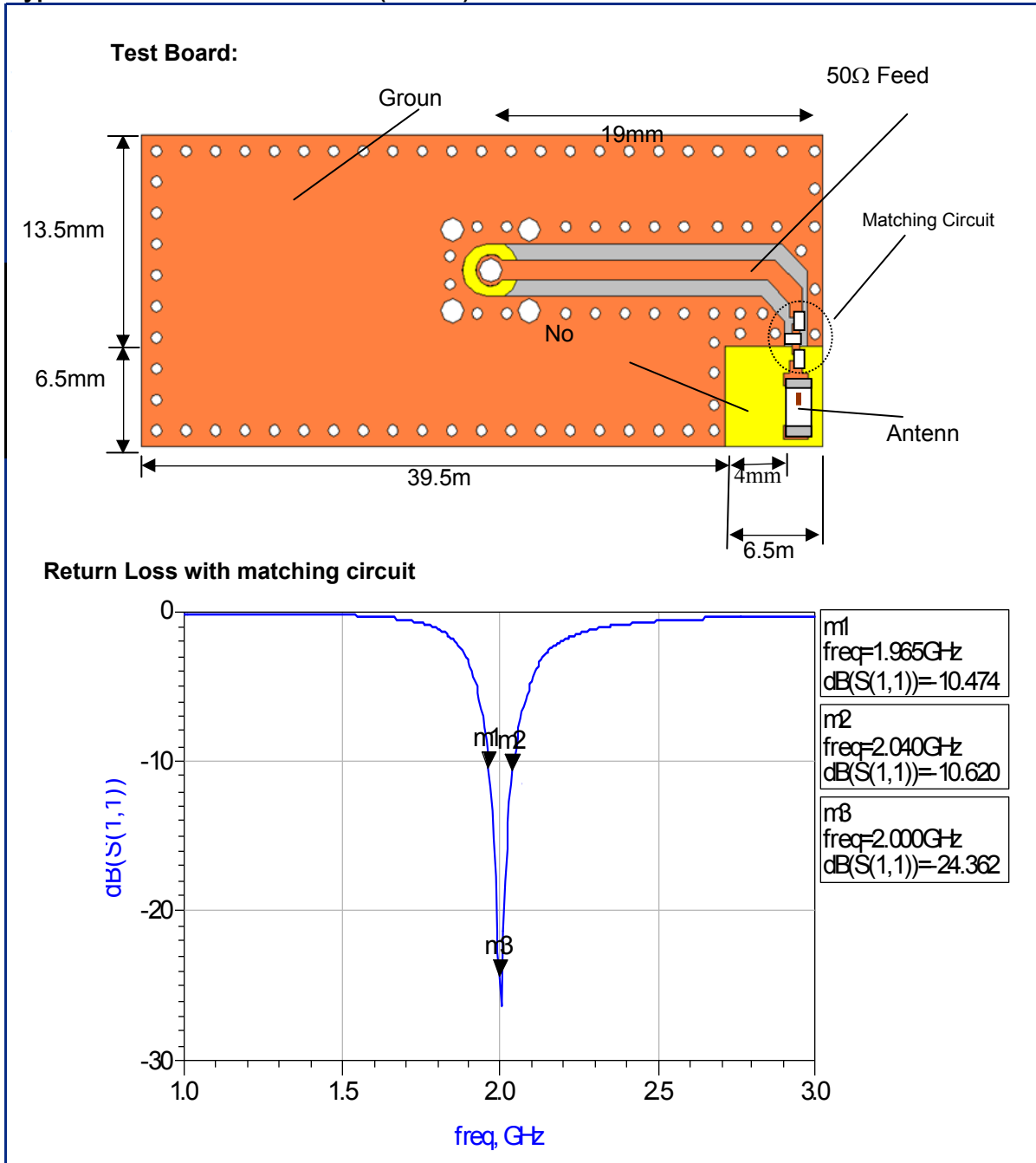
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## Typical Electrical Characteristics (T=25°C)



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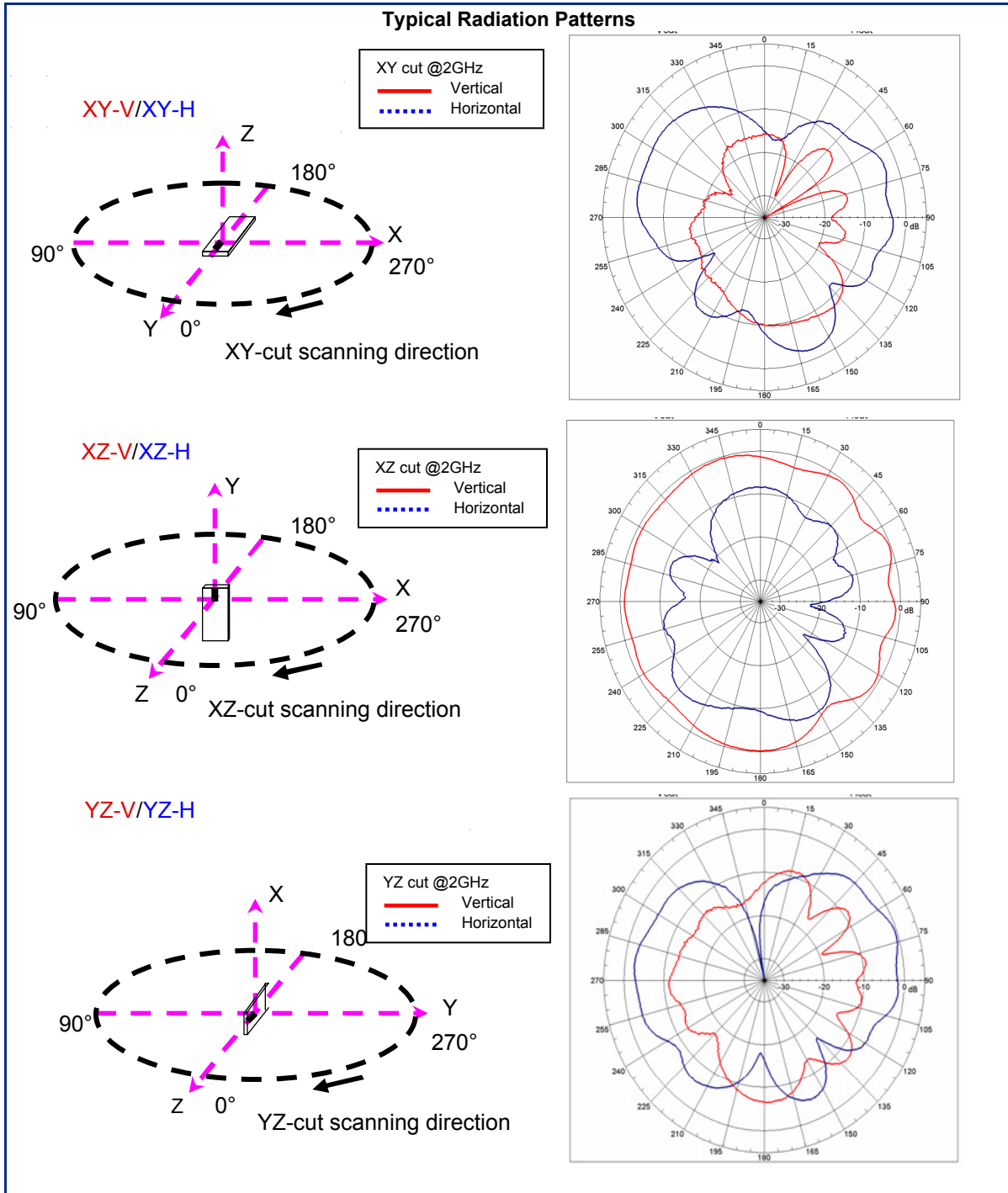
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