

"High Frequency Ceramic Solutions"

5.4 GHz Antenna

P/N 5400AT18A1000

Detail Specification: 01/31/07

Page 1 of 3

General Specifications

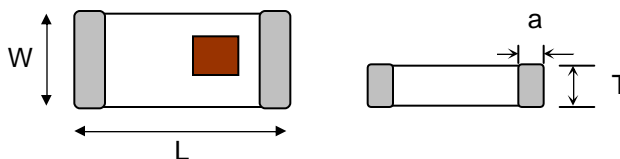
| | |
|-----------------|----------------------|
| Part Number | 5400AT18A1000 |
| Frequency Range | 4900 - 5900 Mhz |
| Peak Gain | 2.0 dBi typ. (XZ-V) |
| Average Gain | -2.5 dBi typ. (XZ-V) |
| Return Loss | 8.5 dB min. |

| | |
|-----------------------|--------------|
| Input Power | 500mW max. |
| Impedance | 50 Ω |
| Operating Temperature | -40 to +85°C |
| Reel Quantity | 3,000 |

| 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 |

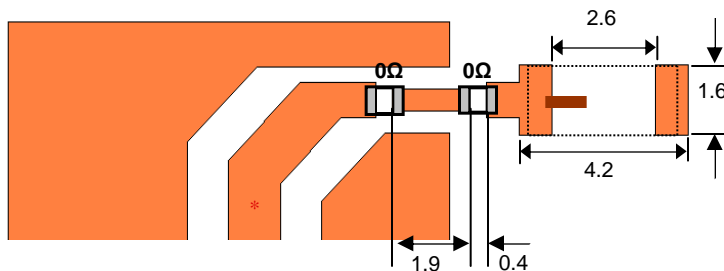


Mounting Considerations

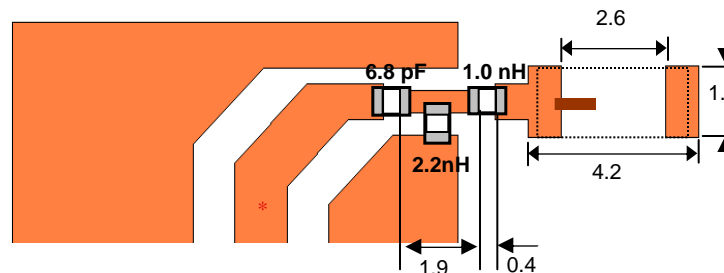
Mount these devices with brown mark facing up. Units: mm

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

a) Without Matching Circuits



b) With Matching Circuits



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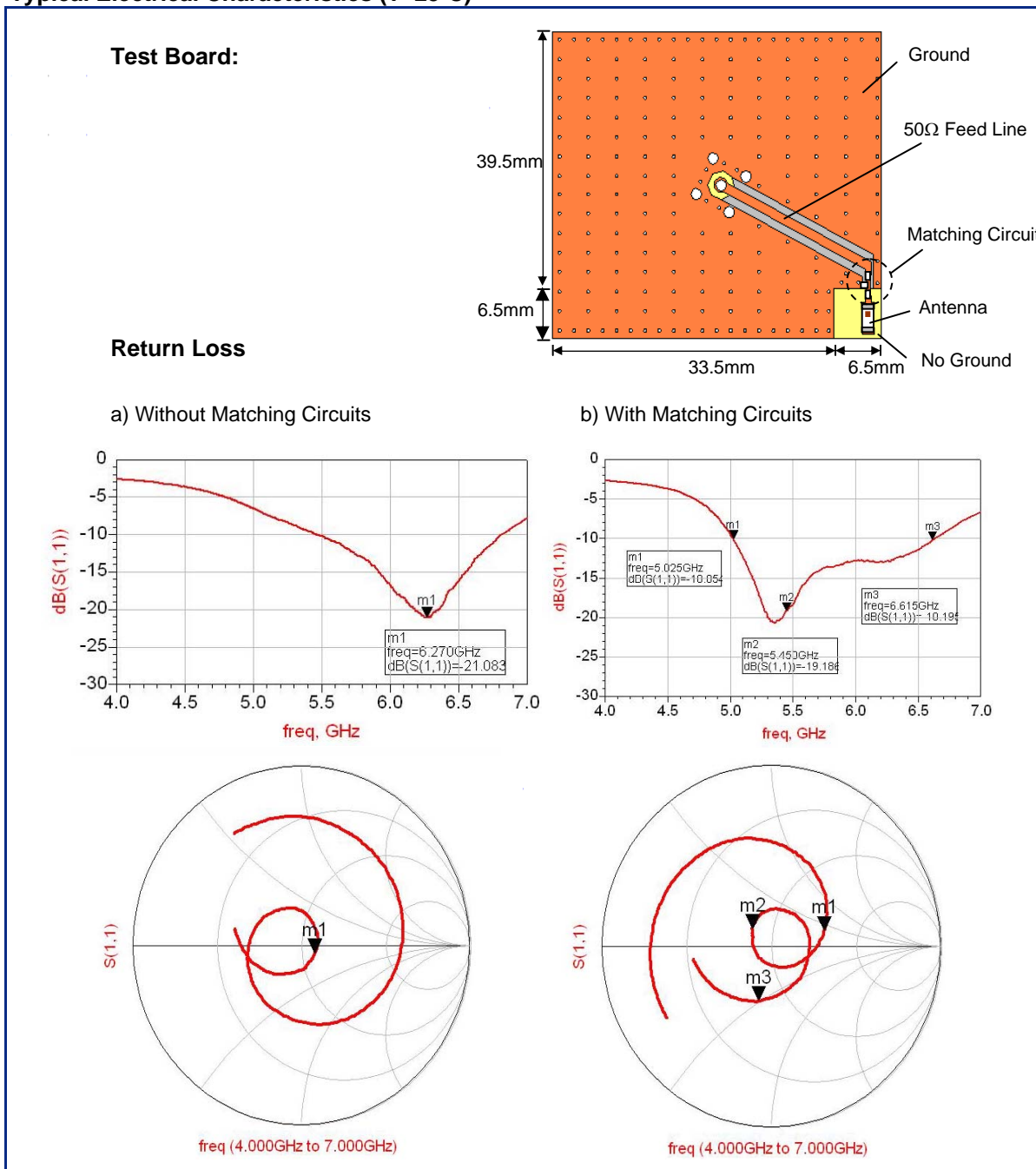
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Detail Specification: 01/31/07

Page 2 of 3

Typical Electrical Characteristics (T=25°C)



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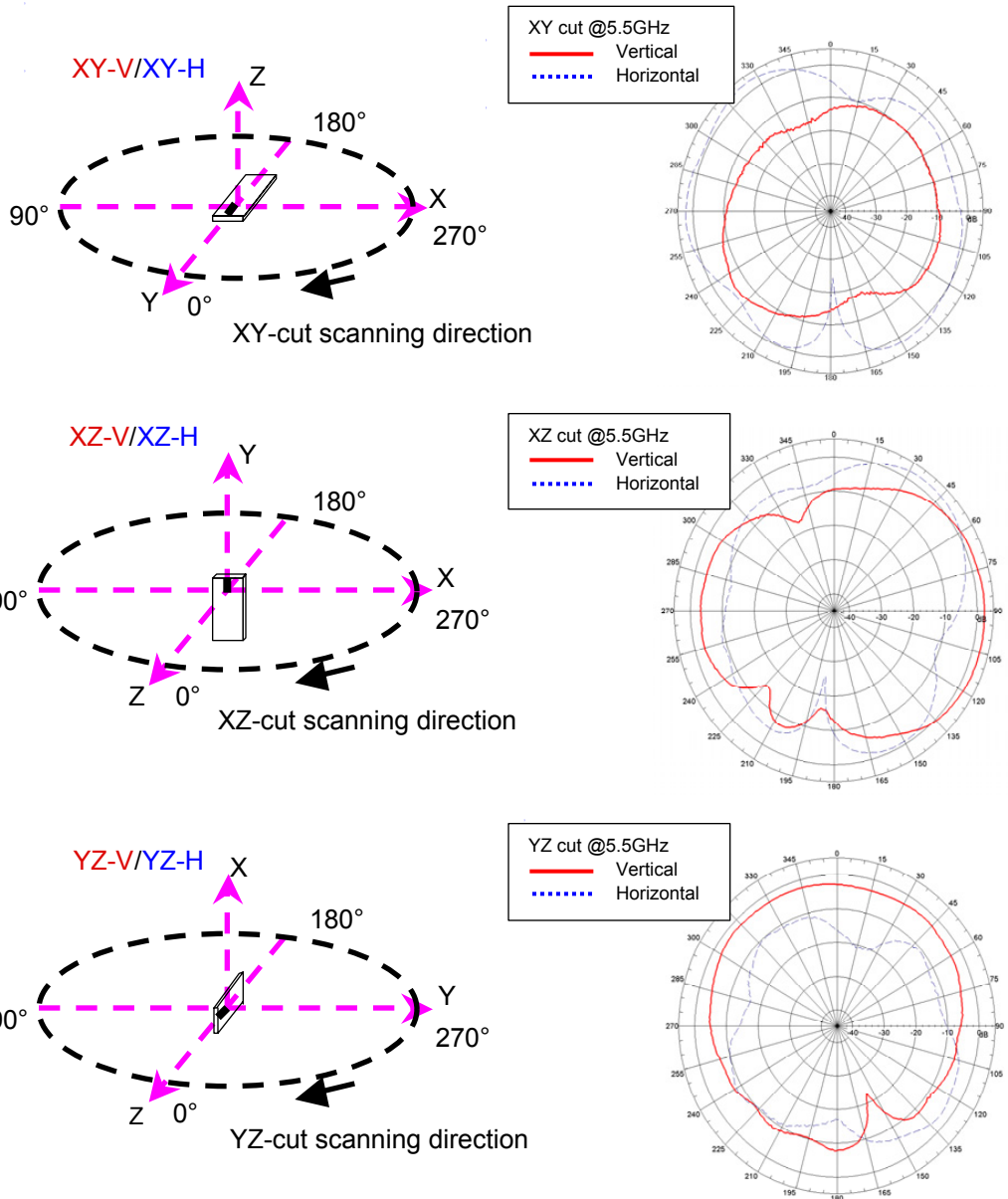
5.4 GHz Antenna

P/N 5400AT18A1000

Detail Specification: 09/03/03

Page 3 of 3

Typical Radiation Patterns



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