"High Frequency Ceramic Solutions"

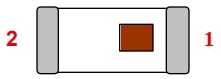
5.4 GHz Antenna **P/N 5400AT18A1000**

Detail Specification: 09/03/03

General Specifications

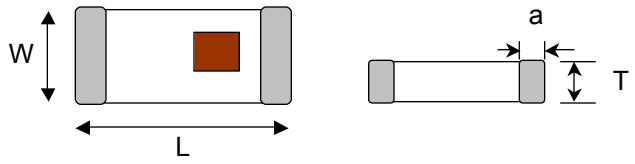
Part Number	5400AT18A1000
Frequency Range	4900 - 5900 Mhz
Peak Gain	2.0 dBi typ. (XZ-V)
Average Gain	-2.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

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

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.051 +.004/-.008	1.30 +0.1/-0.2
a	0.020 ± 0.012	0.50 ± 0.30

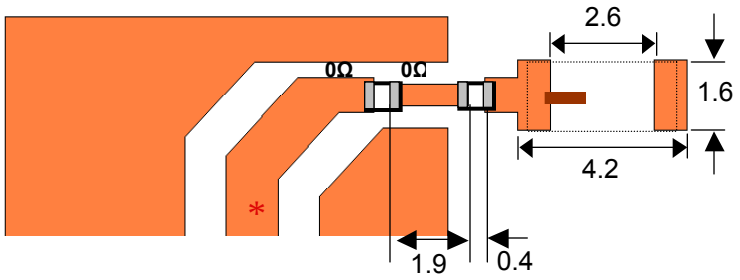


Mounting Considerations

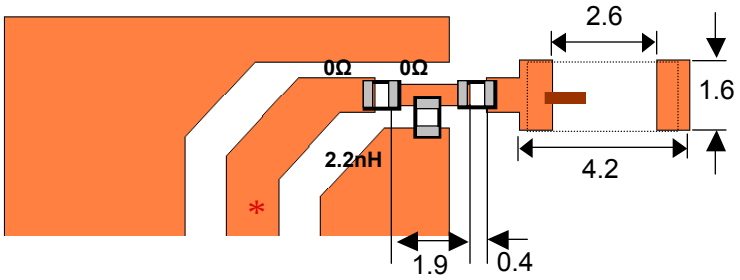
Mount these devices with brown mark facing up. Units: mm

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

a) Without Matching Circuits



b) With Matching Circuits



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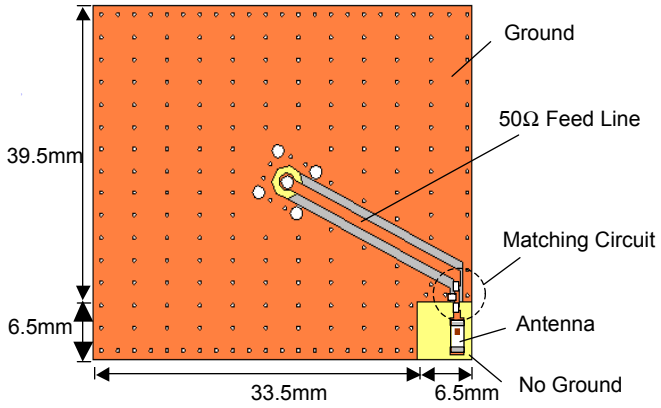
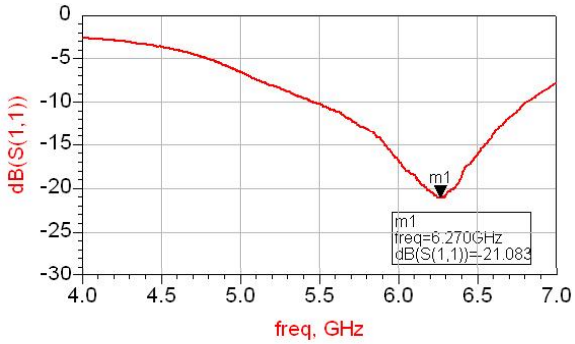
Typical Electrical Characteristics (T=25°C)

Test Board:

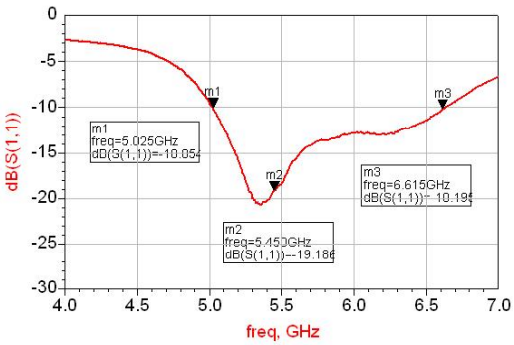


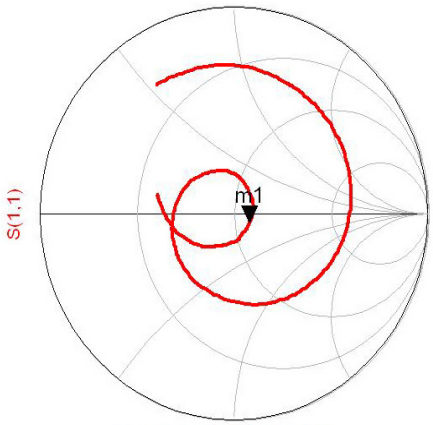
Return Loss

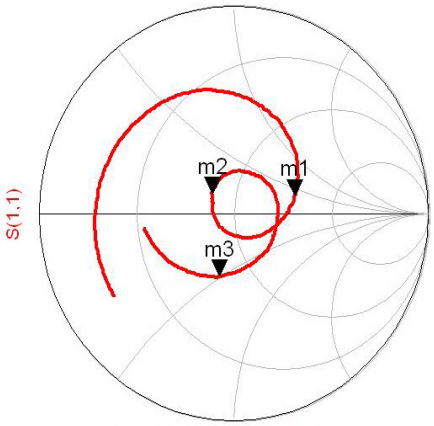
a) Without Matching Circuits



b) With Matching Circuits







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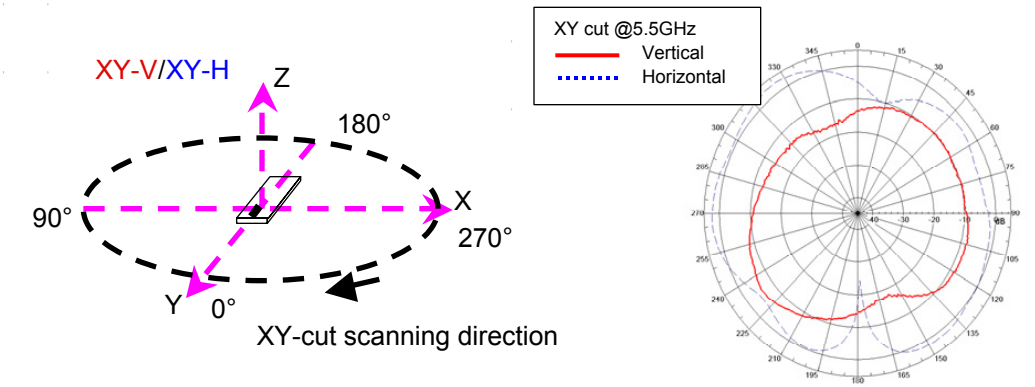
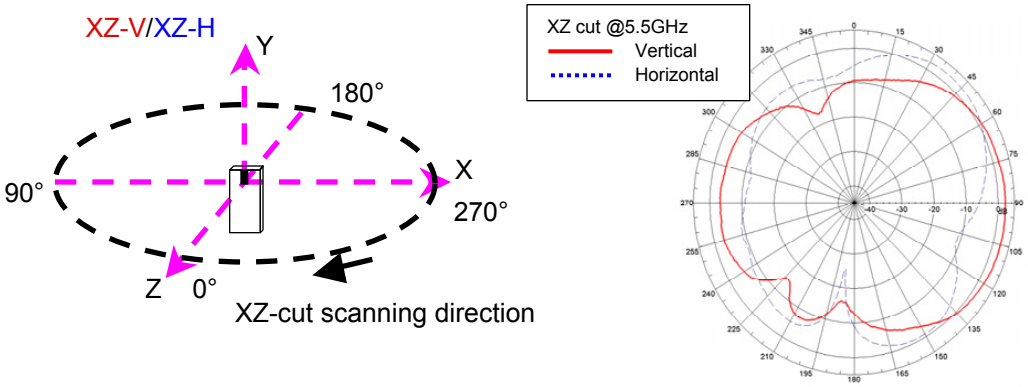
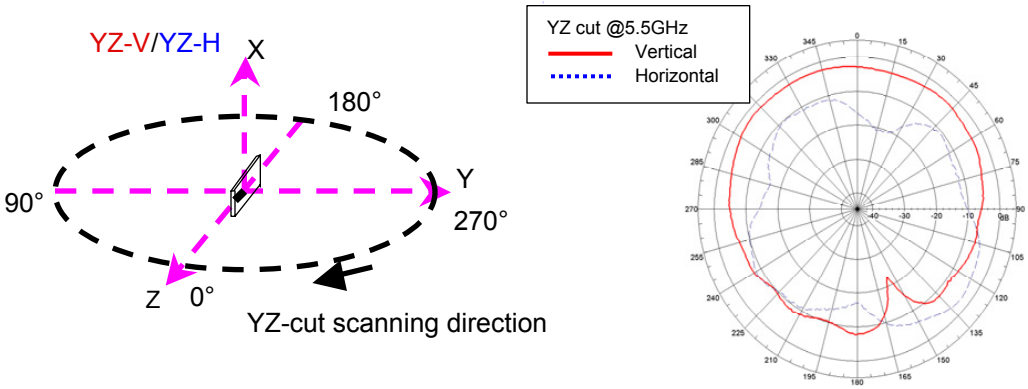
Detail Specification: 09/03/03 Page 3 of 3

Typical Radiation Patterns







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