

"High Frequency Ceramic Solutions"

5.25 GHz Chip Antenna

P/N 5250AT43A200

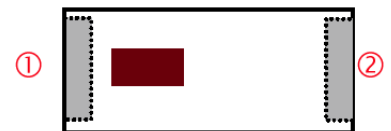
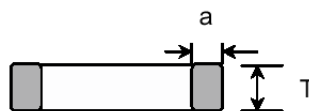
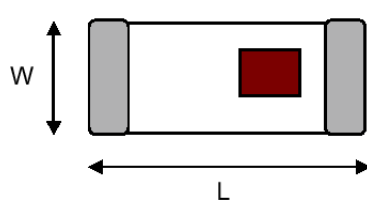
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Part Number	Frequency (MHz)	Peak Gain (XZ-V)	Ave. Gain (XZ-V)	Return Loss
5250AT43A200_	5150 - 5350	3.6 dBi typ.	-2.3 dBi typ.	9.5 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	1000

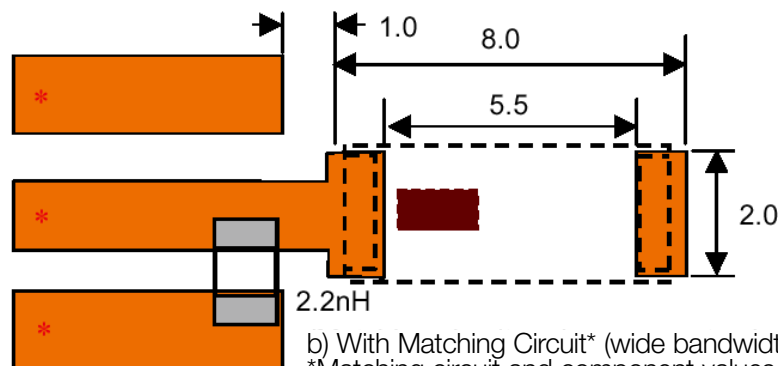
Mechanical Dimensions

	L	W	T	a	Terminal Configuration	
Inches	0.276 $\pm$.008	0.079 $\pm$.008	0.047 +.004 / -.008	0.020 $\pm$.012	1	INPUT
mm	7.0 $\pm$ 0.2	2.0 $\pm$ 0.2	1.20 +0.1 / -0.2	0.50 $\pm$ 0.3	2	NC



Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50 Ω impedance matching characteristics.



b) With Matching Circuit* (wide bandwidth)

*Matching circuit and component values will depend on PCB layout.

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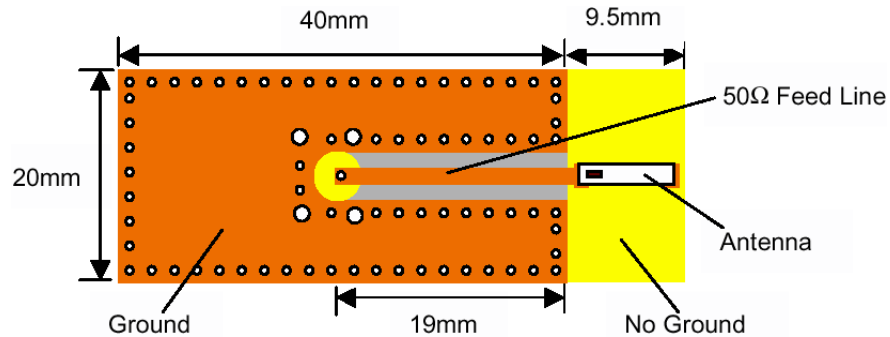
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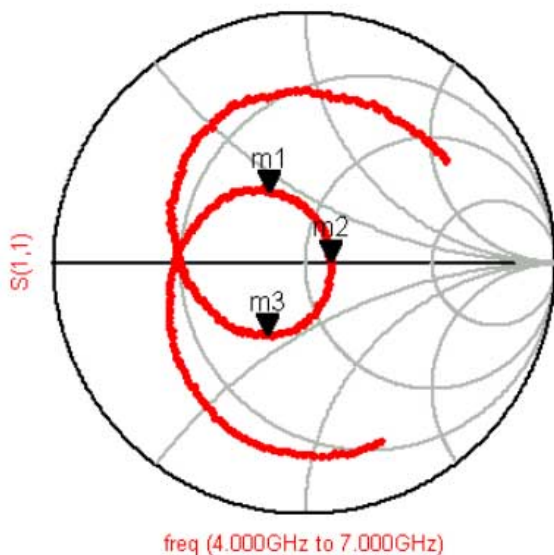
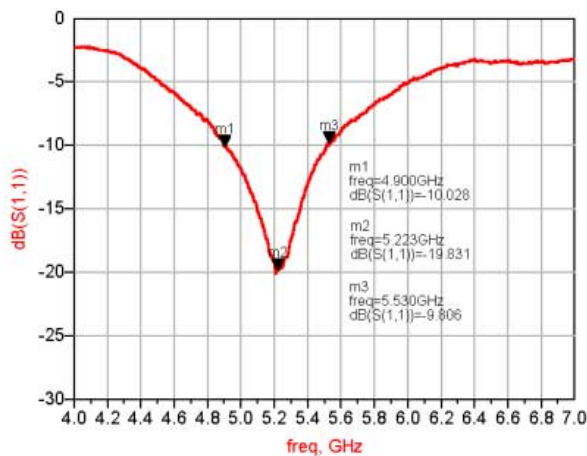
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Test Board for Electrical Characteristic Measurements



Typical Return Loss for P/N 5250AT43A200

a) With Matching Circuit



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Typical Radiation Patterns for P/N 5250AT43A200

