

953 MHz Antenna**P/N 0953AT43A0006**

Detail Specification: 04/15/10

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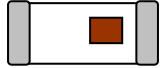
Recommended applications: ISM/SRD**General Specifications**

Part Number	0953AT43A0006
Frequency Range	950 ~ 956 Mhz
Peak Gain (dBi typ.)	-1.0 (XZ-total)
Average Gain (dBi typ.)	-4.0 (XZ-total)
Return Loss	9.5 dB min.

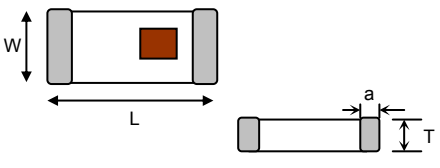
Input Power	2W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Reel Quantity	1,000

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 0953AT43A0006S
		T & R	Suffix = E	Eg. 0953AT43A0006E
	Termination Style	100% Tin	Suffix = None	Eg. 0953AT43A0006(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 0953AT43A0006(E or S)/Pb

Terminal Configuration	
No.	Function
1	Feeding Point
2	NC

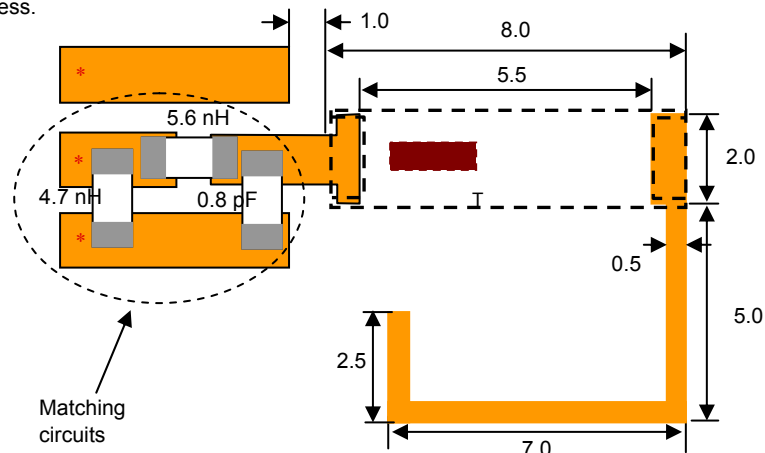

Mechanical Dimensions

	In	mm
L	0.276 $\pm$ 0.008	7.00 $\pm$ 0.20
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20
T	0.031 $\pm$ 0.004/-0.008	0.80 $\pm$ 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, depending on PCB material and thickness.



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Preliminary

"High Frequency Ceramic Solutions"

953 MHz Antenna

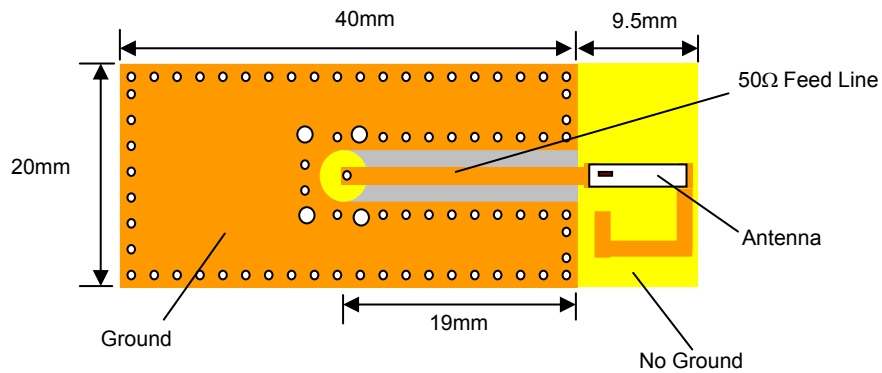
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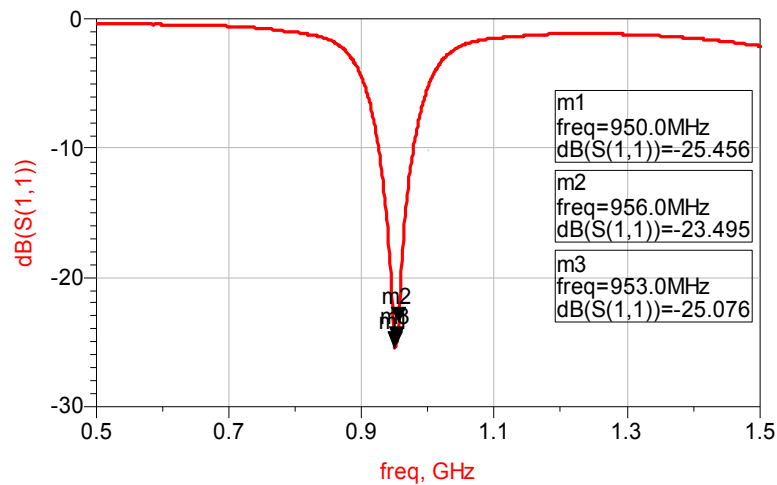
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Mounting Considerations

Test Board



Return Loss with matching



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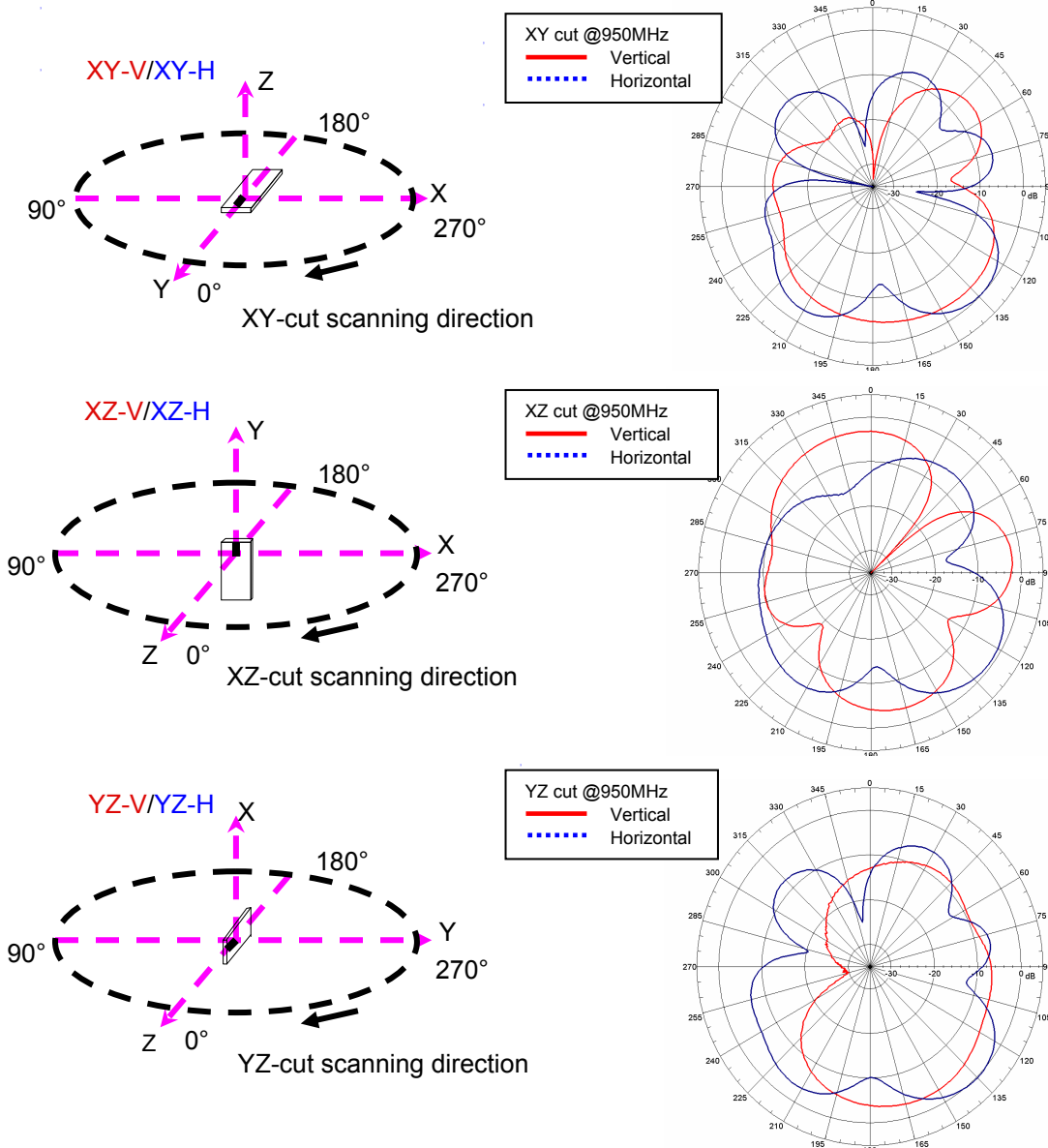
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Typical Radiation Patterns

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Mouser Electronics

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