"High Frequency Ceramic Solutions"

920 MHz Antenna **P/N 0920AT50A080**

Detail Specification: 11/26/12

General Specifications

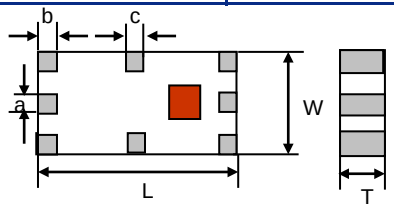
Part Number	0920AT50A080	**Impedance**	50 Ω
Frequency (MHz)	880 - 960 Mhz	**Input Power**	5W max.
Peak Gain (XZ-total)	-0.7 dBi typ.	**Operating Temperature**	-40 to +85°C
Average Gain (XZ-tota	-2.6 dBi typ.	**Reel Quanity**	1,000
Return Loss	8.5 dB max.		

Part Number Explanation

P/N Suffix	**Packing Style**	Bulk	Suffix = S	eg. 0920AT50A080S
		T & R	Suffix = E	eg. 0920AT50A080E
		100% Tin	Suffix = E or S	eg. 0920AT50A080(E or S)
	Termination style	Tin / Lead	Please Consult Factory	

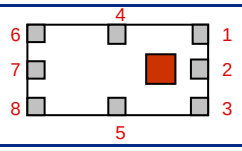
Mechanical Dimensions

	In	mm
L	0.433 ± 0.012	11.00 ± 0.30
W	0.201 ± 0.012	5.10 ± 0.30
T	0.059 ± 0.008	1.50 ± 0.20
a	0.039 ± 0.008	1.00 ± 0.20
b	0.020 ± 0.012	0.50 ± 0.30
c	0.020 ± 0.012	0.50 ± 0.30



Terminal Configuration

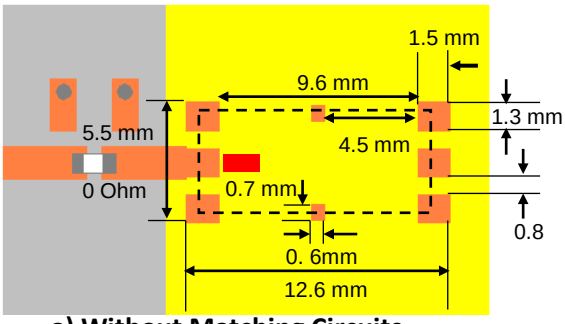
No.	Function
1	NC
2	Feeding Point
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC



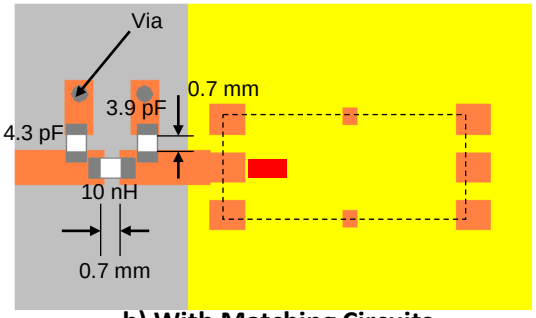
Mounting Considerations

Mount these devices with brown mark facing up. Units: mm Line width should be designed to provide 50 Ω impedance matching characteristics.

JTI P/N for Matching Circuit:
Cap (3.9pF): 500R07S3R9BV4T
Inductor (10nH): L-07C10NJV6T



a) Without Matching Circuits

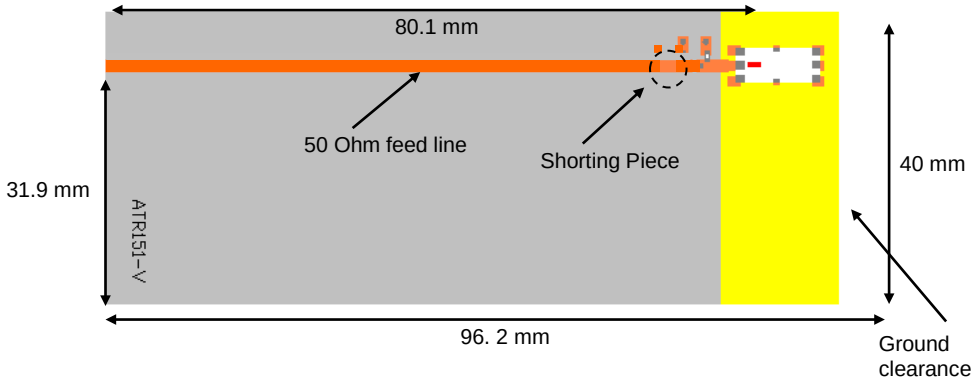


b) With Matching Circuits

www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

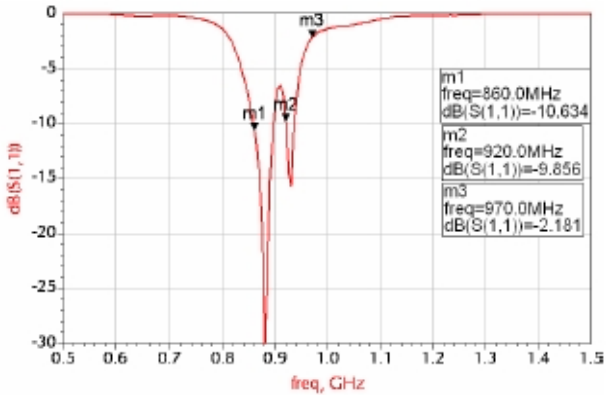
Typical Electrical Characteristics (T=25°C)

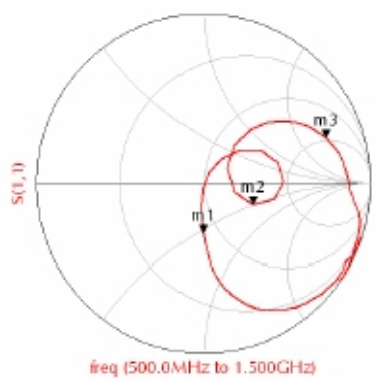
Test Board



Return Loss

a) Without Matching Circuits



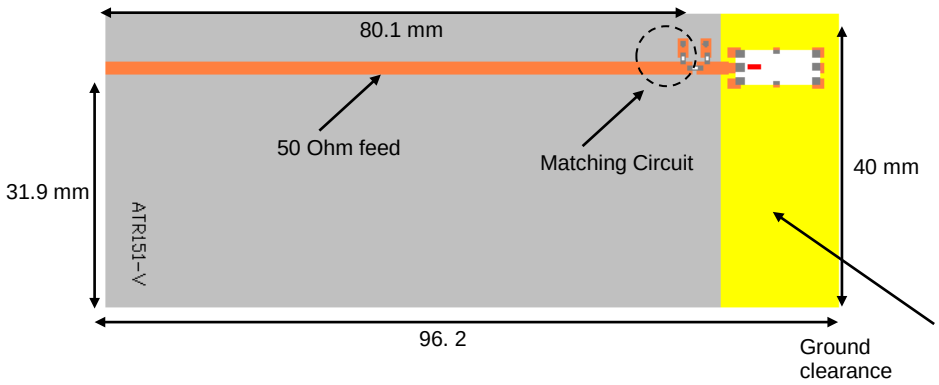


920 MHz Antenna **P/N 0920AT50A080**

Detail Specification: 11/26/12 Page 3 of 3

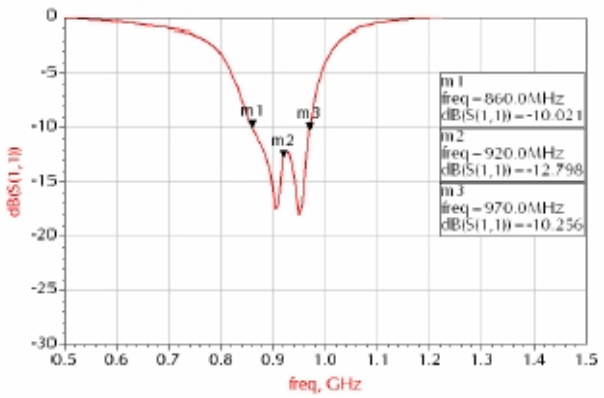
Typical Electrical Characteristics (T=25°C)

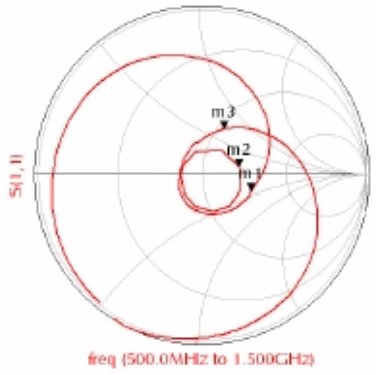
Test Board



Return Loss

b) With Matching Circuits





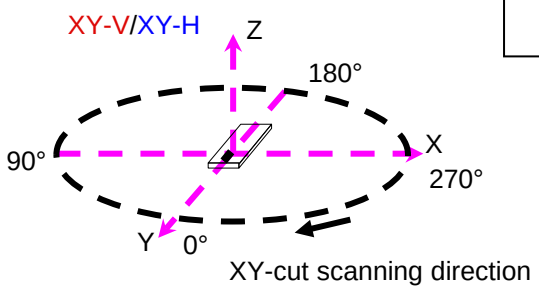
www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

920 MHz Antenna **P/N 0920AT50A080**

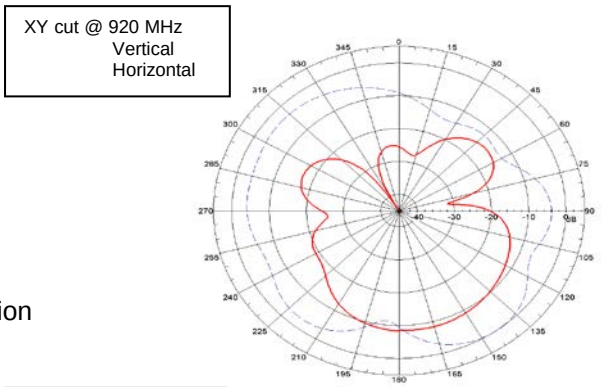
Detail Specification: 11/26/12

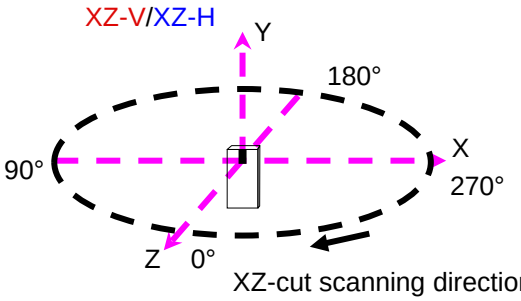
Typical Electrical Characteristics (T=25°C)

Typical Radiation Patterns

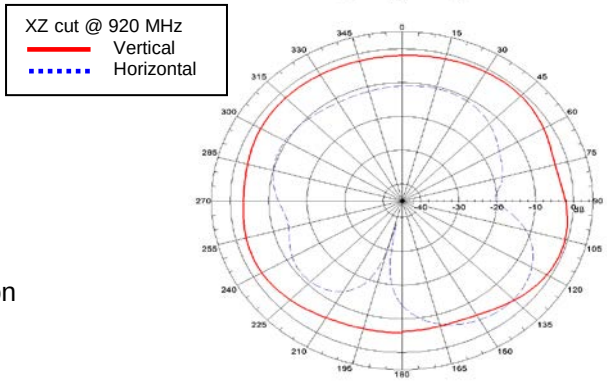


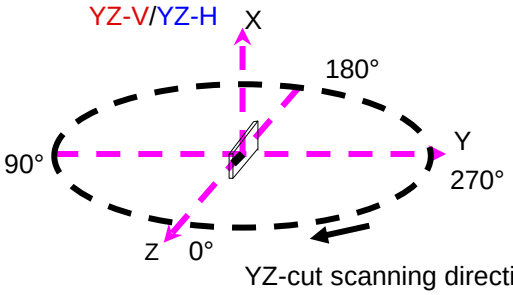
XY-cut scanning direction



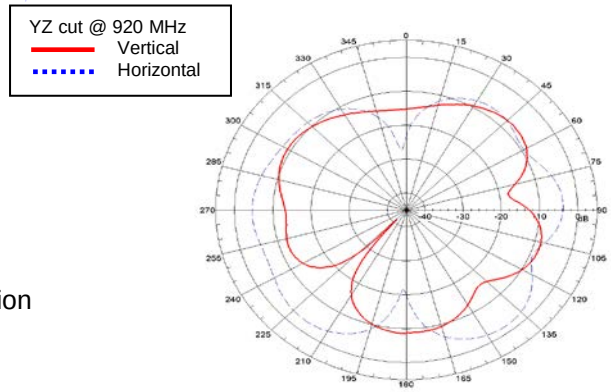


XZ-cut scanning direction





YZ-cut scanning direction



AMEYA360
Components Supply Platform

Authorized Distribution Brand :

Website :

Welcome to visit www.ameya360.com

Contact Us :

- ### Address :

  401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
  Minhang District, Shanghai , China

- ### Sales :

  Direct +86 (21) 6401-6692

  Email amall@ameya360.com

  QQ 800077892

  Skype ameyasales1 ameyasales2

- ### Customer Service :

  Email service@ameya360.com

- ### Partnership :

  Tel +86 (21) 64016692-8333

  Email mkt@ameya360.com