

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





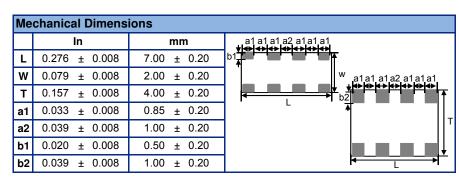


#### 2.5GHz Chip Antenna with No GND clearance required

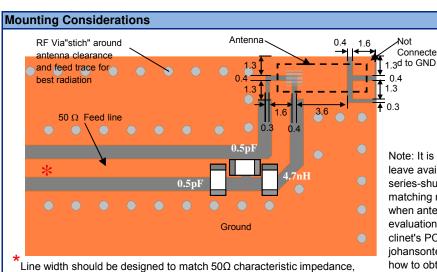
P/N 2500AT43A0100

Page 1 of 5 Detail Specification: 10/28/2013

General Specifications				
Part Number	2500AT43A0100	Input Power	2W max. (CW)	
Frequency Range	2450 - 2550	Operating Temperature	-40 to +85°C	
Peak Gain	0.6 dBi typ. (YZ-total)	Recommended Storage	+5~+35°C, Humidity	
Average Gain	-2.1 dBi typ. (XZ-total)	Conditions	45~75%RH	
VSWR	3.0 max.	Reel Quanity	500pcs	
Impedance	50 Ω		•	







Units in mm

Note: It is recommended that the designer leave available slots for a "pi" (or shuntseries-shunt) network. The antenna matching network values here are used when antenna is mounted on Johanson's evaluation board. The matching values on clinet's PCB will be different, go to: johansontechnology.com/tuning and see how to obtain the new values. If you need further help, contact our RF Applications Eng Team at:

www.johansontechnology.com/en/ask-atechnical-question.html

We peform layout review as well as antenna tuning and characterization services. Go to page 2 for details.

> Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



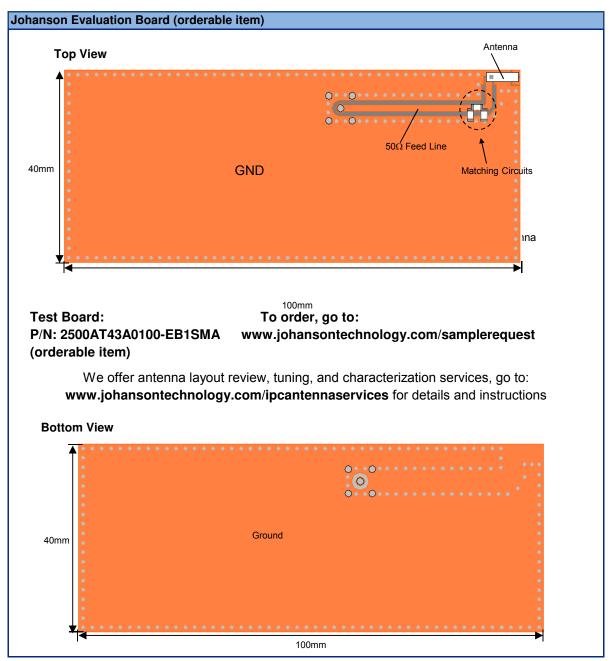
depending on PCB material and thickness

Connecte

#### 2.5GHz Chip Antenna with No GND clearance required

P/N 2500AT43A0100

Detail Specification: 10/28/2013 Page 2 of 5



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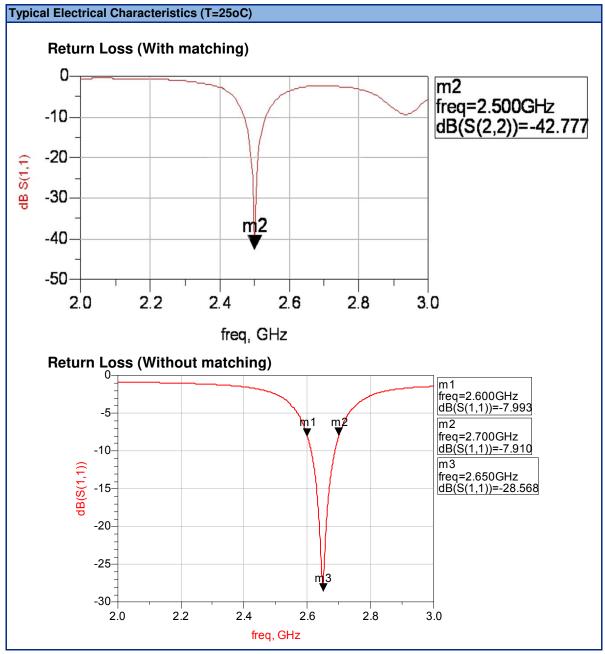
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P/N 2500AT43A0100

Detail Specification: 10/28/2013 Page 3 of 5



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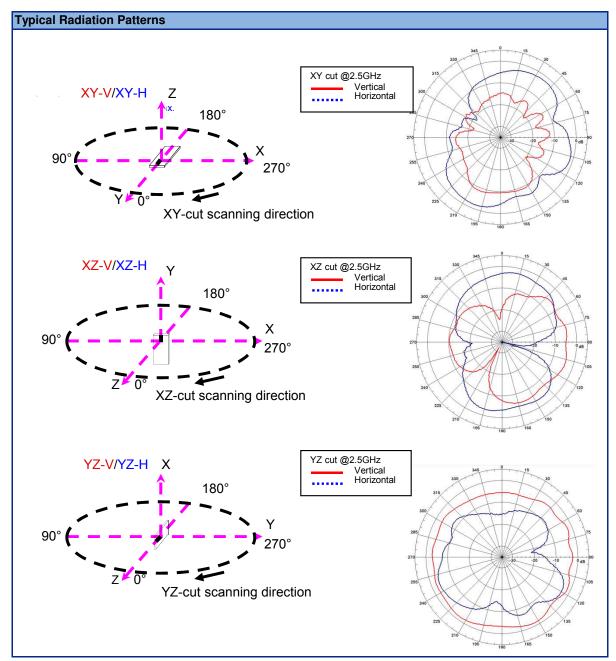


#### 2.5GHz Chip Antenna with No GND clearance required

P/N 2500AT43A0100

Page 4 or 5

Detail Specification: 10/28/2013



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#### 2.5GHz Chip Antenna with No GND clearance required

P/N 2500AT43A0100

Detail Specification: 10/28/2013 Page 5 or 5

Part Number Explanation				
P/N Suffix  Eval SMA	Packing Style	Bulk (loose pieces)	Suffix = S	eg.2500AT43A0100S
		T&R	Suffix = E	eg. 2500AT43A0100E
	Packing Style	T & R (Reverse)	Suffix = R	eg. 2500AT43A0100R (MOQ Applies)
		100% Tin	Suffix = None	eg. 2500AT43A0100(S, E, R)
	Eval Board (1-port SMA antenna test boards)	2500AT43A0100-EB1SMA (Page 2)		
	More Details	www.johansontechnology.com/ipc-pn-explained		

Storage Conditions and Shelf Life (On T&R or Bulk)			
Temperature:	+5C to +35°C	Shelf Life:	18 months max.
Relative Humidity:	45 to 75%		

# Packaging information www.johansontechnology.com/ipcpackaging.html

## Soldering Information www.johansontechnology.com/ipcsoldering-profile

# Antenna layout and tuning techniques www.johansontechnology.com/tuning

# Antenna layout review, tuning, and characterization services www.johansontechnology.com/ipcantennaservices

RoHS Compliance	
	www.johansontechnology.com/technical-notes/rohs-compliance.html

MSL Info	
	www.johansontechnology.com/technical-notes/msl-rating.html

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