

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

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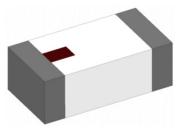


2.4GHz Mini Antenna, SMTDetail Specification: 2/8/2018 PAGE 1 of 5

Let us help you with the antenna design, optimization, and tuning!

General Specification	าร	0.00 (000)	
Part Number	2450AT18B100		
Frequency (MHz)	2400 - 2500		
Avg. Rad Efficiency*	76%		
Peak Gain (dBi typ.)	0.5		
Average Gein (dBi tun)	-0.5	Storage Temperature	
Average Gain (dBi typ.)	-0.5	Operating Temperature	
Return Loss (dB)	9.5 min.	Recommended Storage Conditions of unused	
Impedance	50 Ω	product on T&R and pe	

2 Watts max. (CW)



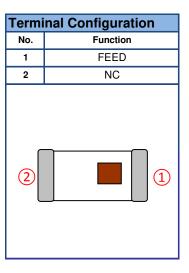
Storage Temperature	-45 to +125°C	
Operating Temperature	-45 to +125°C	
Recommended Storage Conditions of unused	+5 to +35°C, Humidity 45~75%RH, 18months	
product on T&R and period.	max.	
Reel Quantity	3000	

^{*}Efficiency based on Johanson's standard evaluation board

Input Power

Part Number Explanation							
P/N Suffix	Packing Style	Bulk (loose)	Suffix = S	e.g. 2450AT18B100S			
		T&R	Suffix = E	e.g. 2450AT18B100E			
		100% Tin	Suffix = E or S	e.g. 2450AT18B100(E or S)			
	Evaluation Board	2450AT18B100-EBSMA (see page 2&3 for details)					

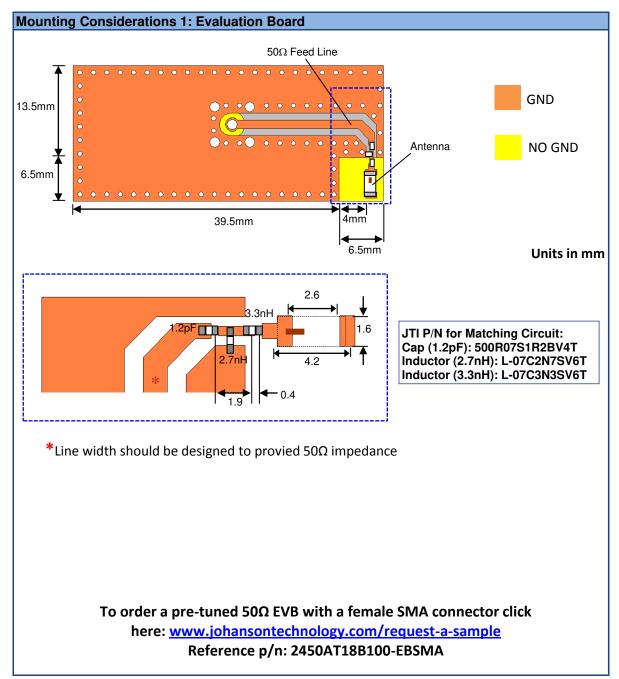
	ln	mm				
L	0.126 ± 0.008	3.20 ± 0.2	1			
W	0.063 ± 0.008	1.60 ± 0.2]			
T	0.051 +.004/008	1.30 +0.1/-0.2				
а	0.020 ± 0.008	0.50 ± 0.2]			
Want the layout file? Request it at: www.johansontechnology.com/ask-a-question						





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Would you like the antenna layout? Have antenna tuning issues?

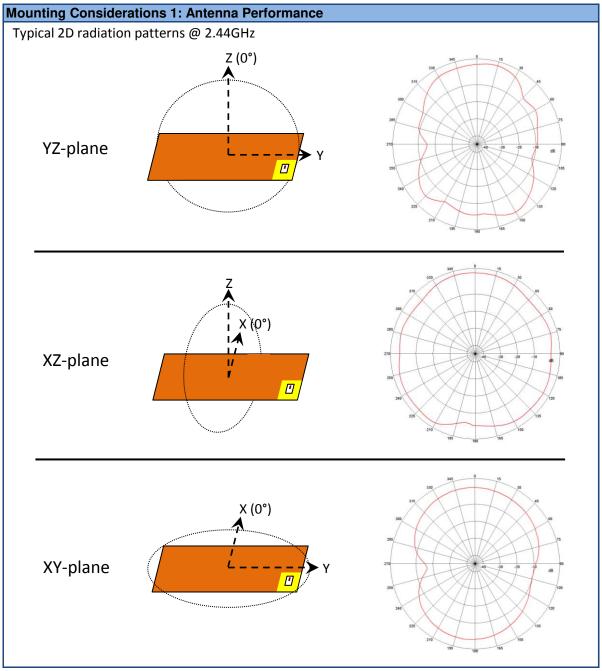
Please contact us if you have any questions regarding the implementation of this antenna in your PCB's layout. We'll be happy to guide you to maximize the antenna's performance.

Contact our applications engineers at: www.johansontechnology.com/ask-a-question



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Antenna tuning, optimization, and validation services:

www.johansontechnology.com/ipc-antenna-services

For more antennas and to download measured S-parameters, go to:

www.johansontechnology.com/antennas

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

MSL Info

www.johansontechnology.com/msl-rating

Packaging information

www.johansontechnology.com/tape-reel-packaging

For layout review contact our Applications Team at:

www.johansontechnology.com/ask-a-question

RoHS Compliance

www.johansontechnology.com/rohs-compliance

Need help designing the antenna in? Use our antenna design services! www.johansontechnology.com/ipc-antenna-services

We provide 2 free layout reviews and if you need us to tune and characterize the antenna on your product (inside anechoic chamber) we can do that too. Small lab fee may apply for the latter.

