

802.11 Dual Band 2.45/5 GHz Mini Chip Antenna. WiFi, WLAN, IoT

P/N 2450AD14A5500

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General Specifications Part Number 2450AD14A5500 Frequency 2400 - 2480 5150 - 5850 (MHz) 60% Ave. Rad Efficiency 80% Peak Gain 4.0 dBi typ. 1.0 dBi typ. (XZ-Total) (XZ-Total) (dBi typ.) **Average Gain** -3.5 dBi typ. -2.5 dBi typ. (dBi typ.) (XZ-Total) (XZ-Total) lr

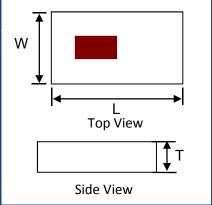
Let us help you with the antenna design, optimization, and tuning! https://www.johansontechnology.com/ipc-antenna-services



(dBi typ.)	(XZ-Total)	(XZ-Total)	Storage Period	18 months max.
Return Loss (dB)	6 min.	6 min.	Storage Temperature	-40 to +85°C
Impedance	50 Ω		Operating Temperature	-40 to +85°C
Input Power	2 Watts max. (CW)		Reel Quantity	4000pcs
input Power	2 Walls Max. (CW)		Reel Quantity	4000pcs
5 (1)	4.			

Part Number Explanation					
P/N Suffix	Packing Style	Bulk (loose)	Suffix = S	e.g. 2450AD14A5500S	
		T&R	Suffix = T	e.g. 2450AD14A5500T	
		100% Tin	Suffix = T or S	e.g. 2450AD14A5500(T or S)	
	Evaluation Board	2450AD14A5500-EB1SMA & 2450AD14A5500-EB2SMA			

Mechanical Dimensions						
	In		mm			
L	0.063	±	0.004	1.60	±	0.10
W	0.031	±	0.004	0.80	±	0.10
Т	0.016	max.		0.40	max.	



Terminal Configuration				
No.	Function			
1	GND			
2	FEED			
3	NC			
4	NC			
_	4			
	① ② ③			
Top View looking "through" the component				

If you'd like the complete datasheet which includes detailed gain performance, layout guidelines, application notes, small WiFi application layout, send us as message at:

https://www.iohansontechnology.com/ask-a-question

As a bonus, you'll be assigned an RF Engineer to assist you in the design for free!

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



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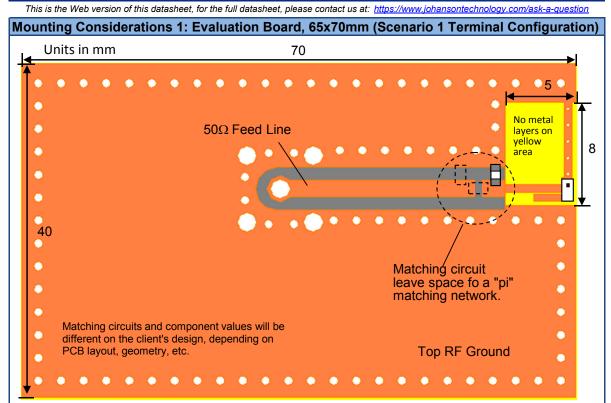
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To order the ABOVE pre-tuned 50Ω EVB with a female SMA connector click here: https://www.johansontechnology.com/request-a-sample

Would you like the layout file of the above? 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.

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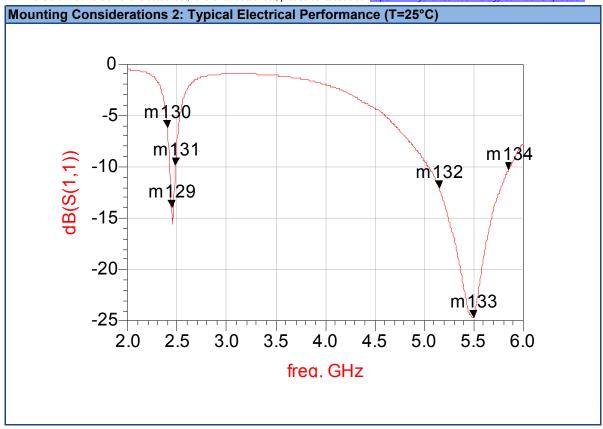
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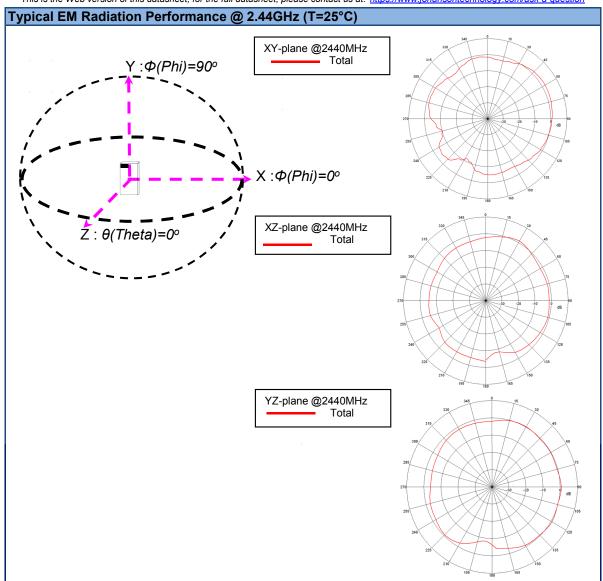
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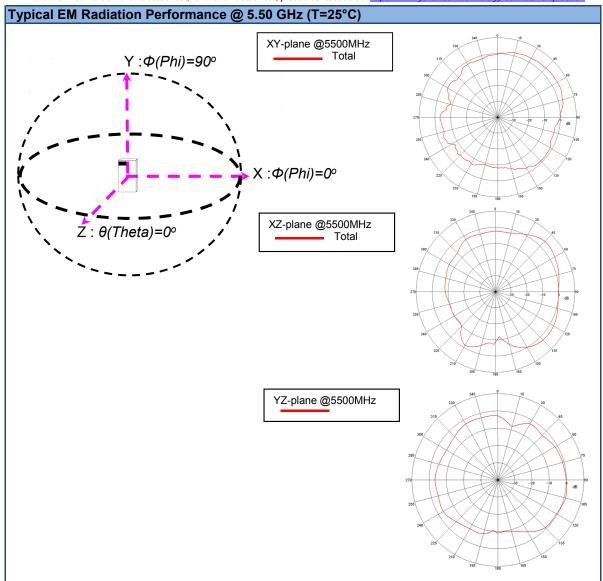
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For layout review contact our Applications Team at:

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RoHS Compliance

https://www.johansontechnology.com/rohs-compliance

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

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.

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