

Input Power

"High Frequency Ceramic Solutions"

802.11 Dual Band 2.45/5 GHz Mini Chip Antenna. WiFi, Wireless LAN, I P/N 2450AD14A5500

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General Specifications			
Part Number	2450AD14A5500		
Frequency (MHz)	2400 - 2480	5150 - 5850	
Ave. Rad Efficiency	60%	80%	
Peak Gain (dBi typ.)	1.0 dBi typ. (XZ-Total)	4.0 dBi typ. (XZ-Total)	
Average Gain (dBi typ.)	-3.5 dBi typ. (XZ-Total)	-2.5 dBi typ. (XZ-Total)	
Return Loss (dB)	6 min.	6 min.	
Impedance	50 Ω		

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Storage Period	18 months max.
Storage Temperature	-40 to +85°C
Operating Temperature	-40 to +85°C
Reel Quantity	4000

Part Number Explanation					
P/N Suffix		Bulk (loose)	Suffix = S	e.g. 2450AD14A5500S	
	Packing Style	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							
	ln			mm			<u> </u>
L	0.063	±	0.004	1.60	±	0.10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
W	0.031	±	0.004	0.80	±	0.10	W
Т	0.016		max.	0.40		max.	
							Top View Top View Side View

2 Watts max. (CW)

Terminal Configuration						
No.	Function					
1	GND					
2	FEED					
3	NC					
4	NC					
	4					
	① ② ③					
Тор	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:

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

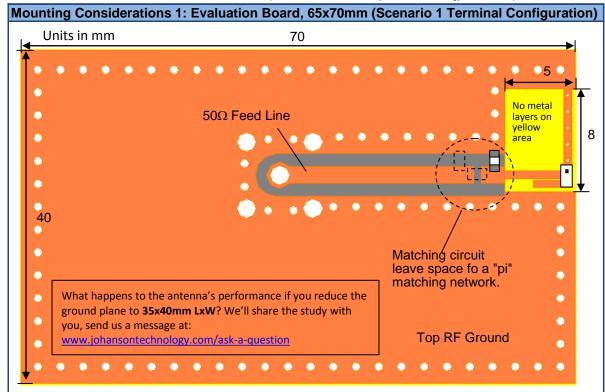




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To order teh ABOVE pre-tuned 50Ω EVB with a female SMA connector click here: www.johansontechnology.com/request-a-sample

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. Contact our applications engineers at:

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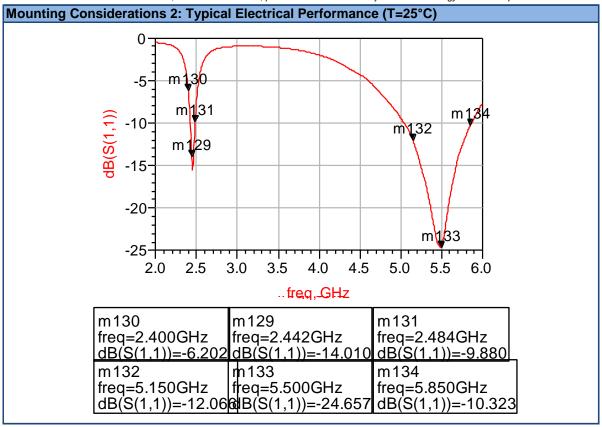


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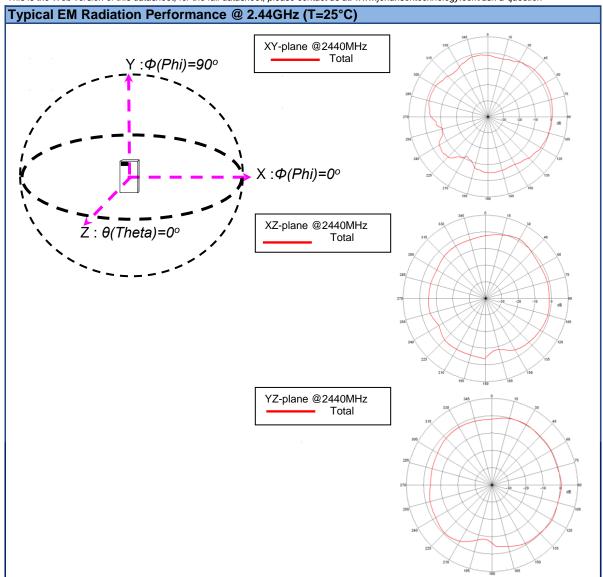
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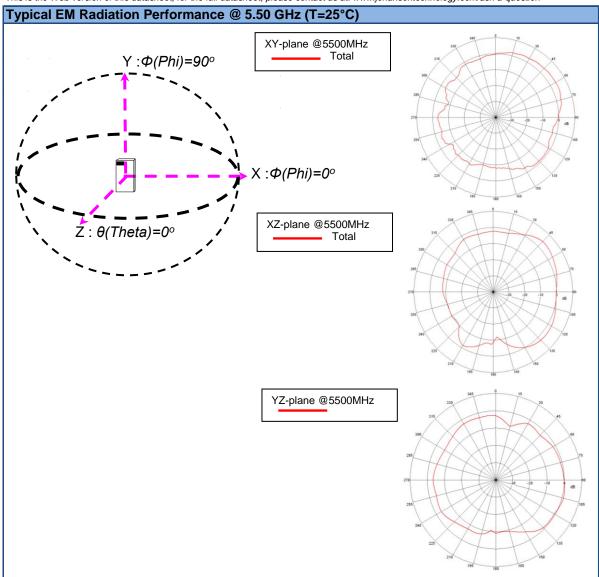
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