Web "High Frequency Ceramic Solutions"

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

Detail Specification: 7/28/2016 Page 1 of 6

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General Specifica	tions			
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			

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



(dBi typ.)	(XZ-Total) (XZ-Total)		Storage Period	18 months max.
teturn 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 n	nax. (CW)	Reel Quantity	4000

Part Number Explanation				
		Bulk (loose)	Suffix = S	e.g. 2450AD14A5500S
P/N Suffix	Packing Style	T&R	Suffix = T	e.g. 2450AD14A5500T
P/N Sullix		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	,,, <u> </u>
W	0.031	±	0.004	0.80	±	0.10	W
Т	0.016		max.	0.40		max.	
							Top View Top View Side View

Terminal Configuration				
No.	Function			
1	GND			
2	FEED			
3	NC			
3	NC			
	4			
	0 2 3			

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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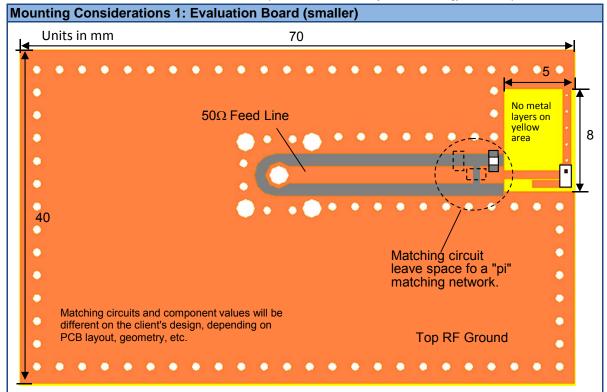


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To order a pre-tuned 50Ω EVB with a female SMA connector click here: www.johansontechnology.com/request-a-sample

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.

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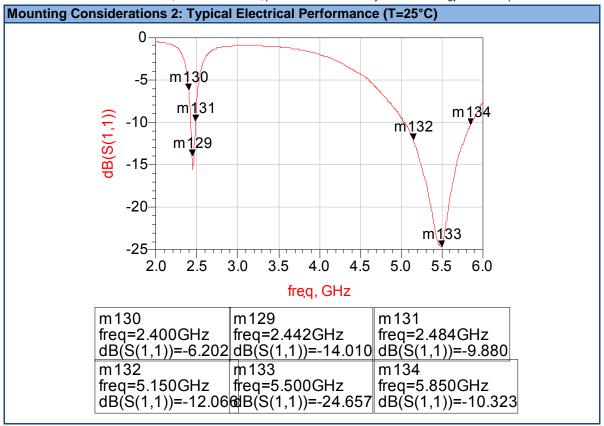


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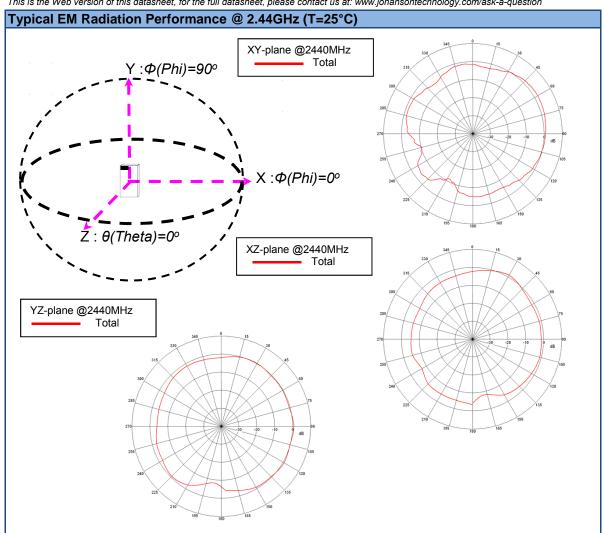


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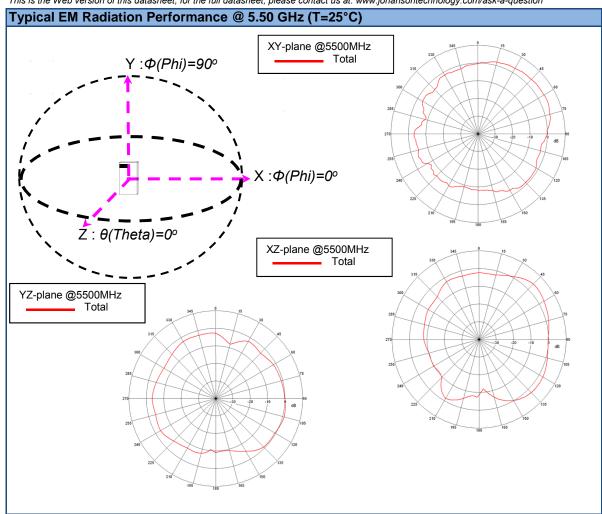


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