2450 MHz Small SMD Chip Antenna

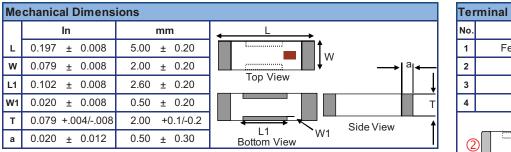
P/N 2450AT42B100

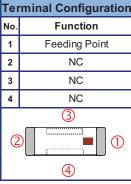
Ground Clearance Requirements Minimized. This antenna was designed for corner or end-mounting Detail Specification: 10/08/13 Page 1 of 4

General Specifications				
Part Number 2450AT42B100				
Frequency Range	2400 - 2500 Mhz	1		
Peak Gain	0 dBi typ. (XZ-V)			
Average Gain	-1.5 dBi typ. (XZ-V)			
Return Loss	9.5 dB min.			
Impedance	50 Ω]		
Reel Quanity	2,000]		
Operating Temperature	-40 to +85°C			
Recommended Storage Conditio	+5 ~ +35 °C,Humidity 45~75%RH	F		



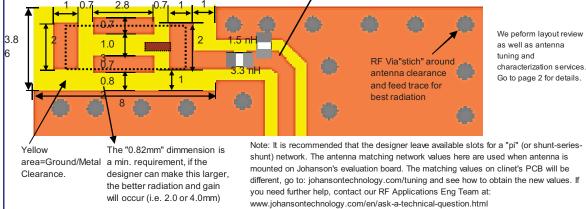
	1		
Operating Temperature	-40 to +85°C	Storage Period	-40 to +85°C
Recommended Storage Conditio	+5 ~ +35 °C,Humidity 45~75%RH	Power Capacity	2W max. (CW)





Mounting Considerations

Line width should be designed to match 50Ω characteristic impedance (Grounded Co-Planar Waveguide), depending on PCB material and thickness. (The matching circuit and component values will be different on clients PCB layout, se notes below and go to page 2 for details).



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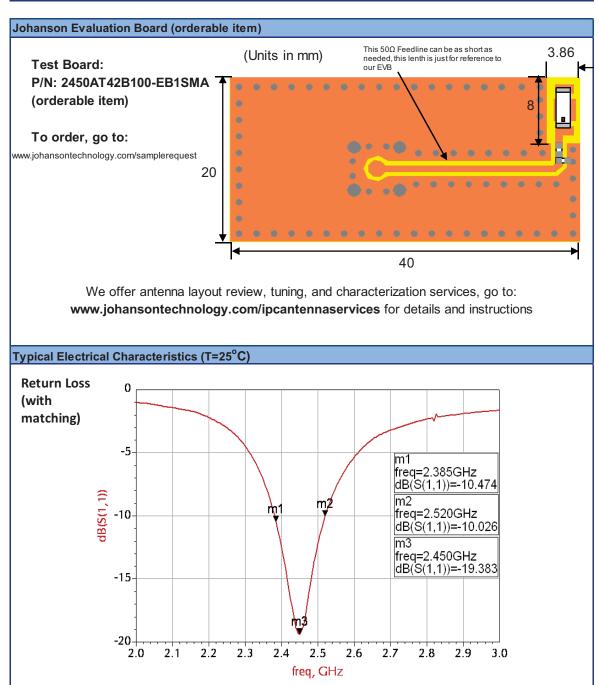
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Detail Specification: 10/08/13





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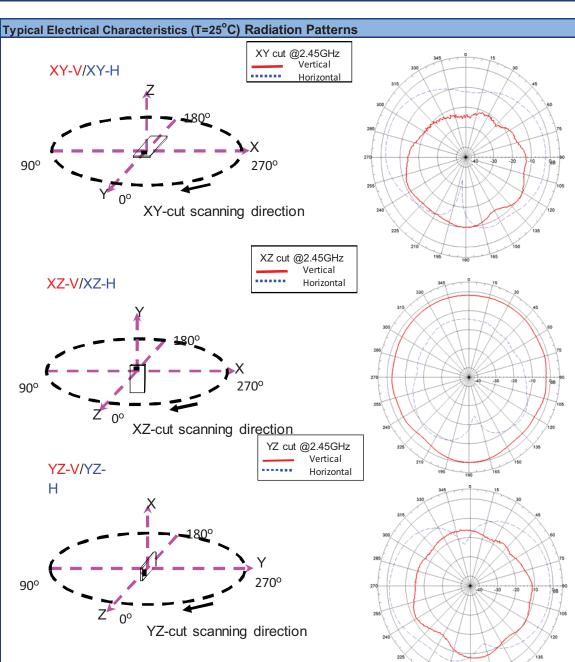
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Part Number Explanation							
P/N Suffix	Packing Style	Bulk (loose pieces)	Suffix = S	eg.2450AT42B100S			
		T & R	Suffix = E	eg. 2450AT42B100E			
		T & R (Reverse)	Suffix = R	eg. 2450AT42B100R (MOQ Applies)			
		100% Tin	Suffix = None	eg. 2450AT42B100(S, E, R)			
	Eval Board (1-port SMA antenna test boards)	2450AT42B100-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%					

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Packaging information
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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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