AEC-Q200 Qualification Available

Detail Specification:

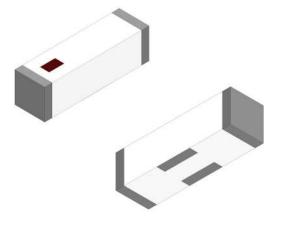
2.4GHz Chip Antenna, SMD

P/N 2450AT43B100

Page 1 of 5

General Specifications				
Part Number	2450AT43B100			
Frequency (GHz)	2.4 - 2.5			
Peak Gain (dBi)	1.3 typ.			
Average Gain (dBi)	-0.5 typ.			
Return Loss (dB)	9.5 min.			
Impedance (Ω)	50			
Input Power (W)	2 max. (CW)			
Operating Temperature	-40 to +85°C			
Recommended Storage	+5 to +35°C			
Conditions and Period	Humidity 45 - 75% RH			
for unused T&R Product	18 months max.			
Reel Quantity (pcs/reel)	1000			

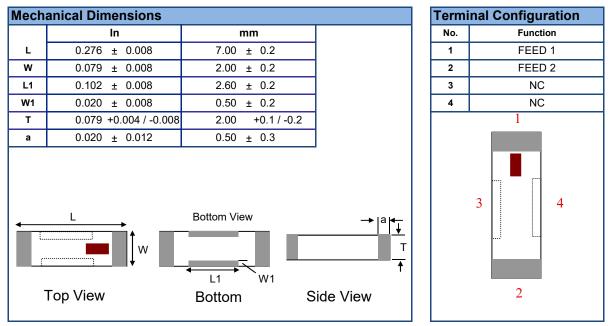
6/29/2021



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

Part Number Explanation

P/N Suffix	Packing Style T&R	Bulk (loose)	Suffix = S	e.g. 2450AT43B100S	
		T&R	Suffix = E	e.g. 2450AT43B100E	
		100% Tin	Suffix = E or S	e.g. 2450AT43B100(E or S)	
	Evaluation Board	2450AT43B100-EB1SMA			



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Ver. 1.2

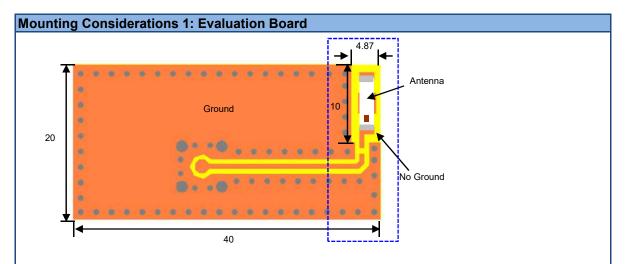
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2.4GHz Chip Antenna, SMD

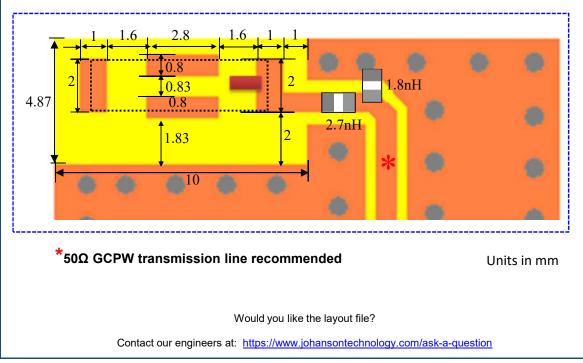
Detail Specification: 6/29/2021

P/N 2450AT43B100

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Note 1: Pins 2, 3 & 4, although "NC", must be soldered to their corresponding PCB pads for proper electrical operation



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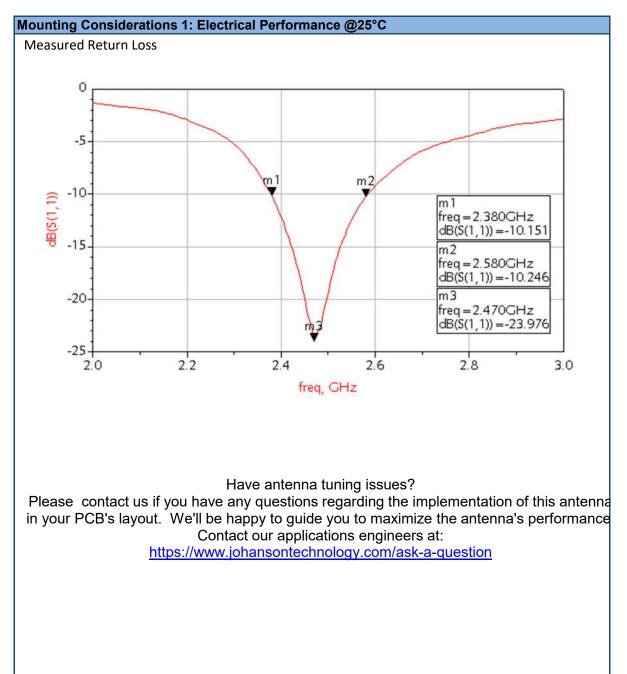
Ver. 1.2

2.4GHz Chip Antenna, SMD

6/29/2021 Detail Specification:

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Ver. 1.2

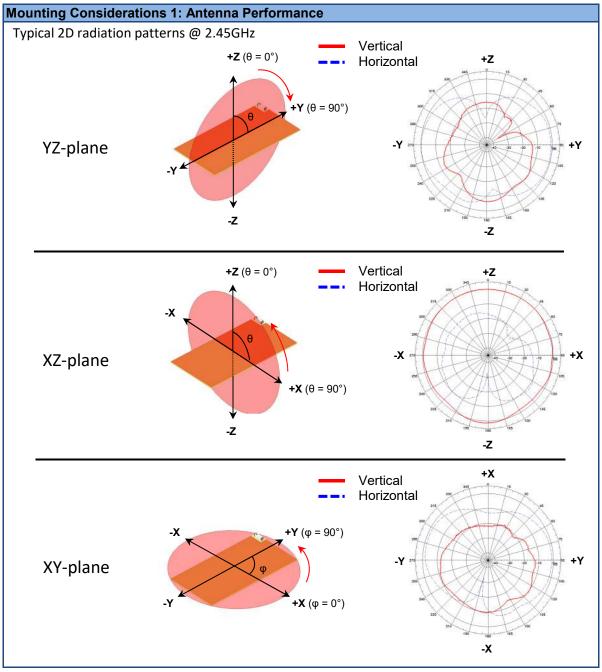
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2.4GHz Chip Antenna, SMD

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2.4GHz Chip Antenna, SMD Detail Specification: 6/29/2021 P/N 2450AT43B100

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Antenna tuning, optimization, and validation services:

https://www.johansontechnology.com/ipc-antenna-services

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

https://www.johansontechnology.com/antennas

Soldering Information

https://www.johansontechnology.com/ipcsoldering-profile

MSL Info

https://www.johansontechnology.com/msl-rating

Packaging Information

https://www.johansontechnology.com/tape-reel-packaging

For layout review contact our applications team at:

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

RoHS Compliance

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

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

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