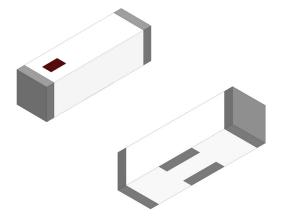
AEC-Q200 Qualification Available

P/N 2450AT43B100

2.4GHz Chip Antenna, SMD Detail Specification: 6/29/2021

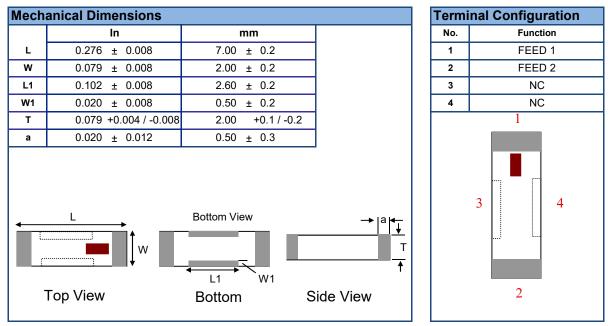
	Page 1 of 5
Let us help you with the antenna design, optimization,	and tuning!

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 Conditions and Period	+5 to +35°C		
	Humidity 45 - 75% RH		
for unused T&R Product	18 months max.		
Reel Quantity (pcs/reel)	1000		



Part Number Explanation

P/N Suffix	Packing Style	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

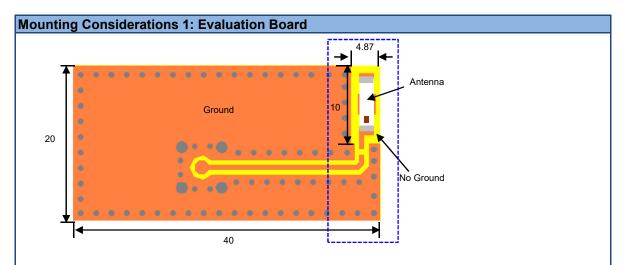
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2.4GHz Chip Antenna, SMD

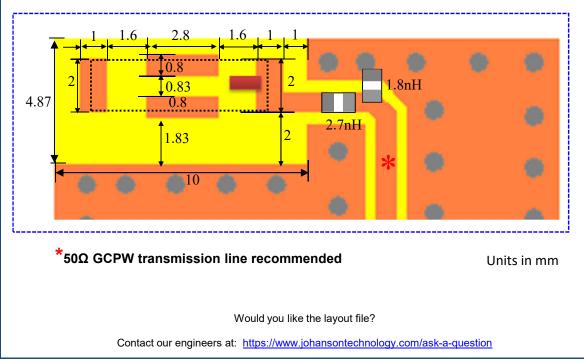
Detail Specification: 6/29/2021

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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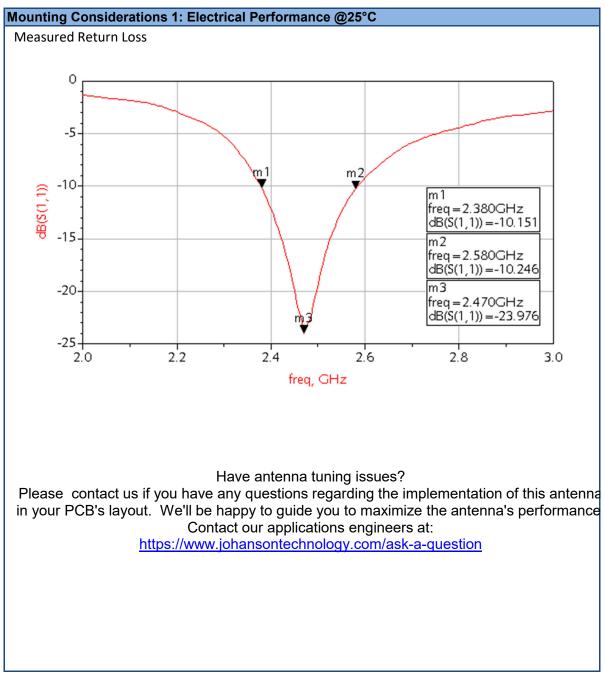
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2.4GHz Chip Antenna, SMD

Detail Specification: 6/29/2021

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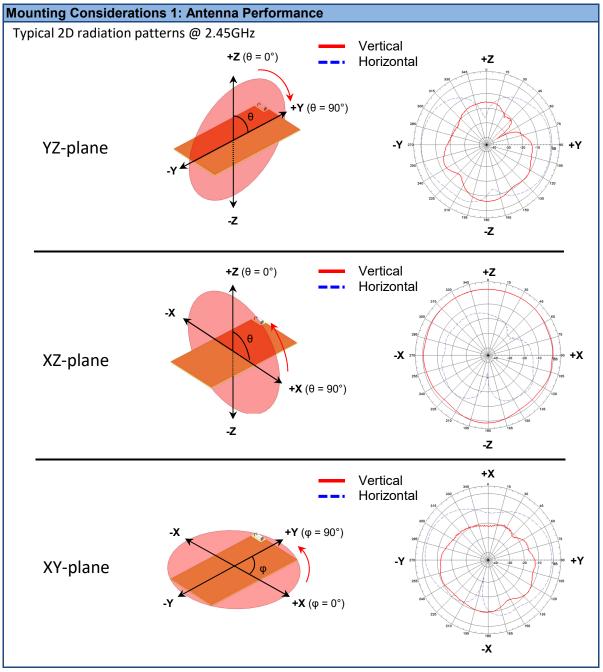
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Detail Specification: 6/29/2021 P/N 2450AT43B100

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Antenna tuning, optimization, and validation services:

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

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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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