7GHz Mini UWB Antenna

P/N 7000AT18A1600

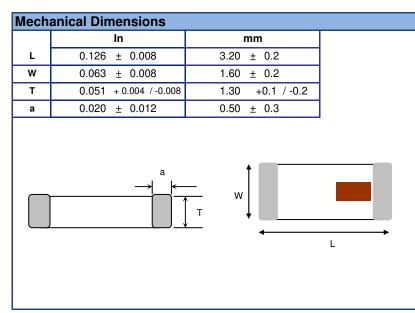
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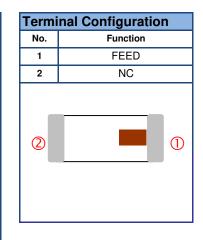
Detail Specification: 9/13/2021

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

General Specifications		https://www.johansontechnol	logy.com/ipc-antenna-services	
Part Number	7000AT18A1600			
Frequency (MHz)	6200 - 8240			
Avg. Rad Efficiency	82%			
Peak Gain (dBi)	2.0 typ.			
Average Gain (dBi)	-0.5 typ.	Recommended Storage	+5 to +35°C	
Return Loss (dB)	9.5 min.	Conditions and Period for unused Product onT&R	Humidity 45 - 75% RH 18 months max.	
Impedance (Ω)	50	Operating Temperature	-40 to +85°C	
Power Capacity (W)	3 max. (CW)	Reel Quantity (pcs./reel)	3,000	

Part Number Explanation						
P/N Suffix	Packing Style	Bulk (loose pcs.)	Suffix = S	e.g. 7000AT18A1600S		
		T & R	Suffix = E	e.g. 7000AT18A1600E		
		100% Tin	Suffix = E or S	e.g. 7000AT18A1600(E or S)		
	Evaluation Board	7000AT18A1600-EB1SMA (Pre-tuned with SMA connector)				





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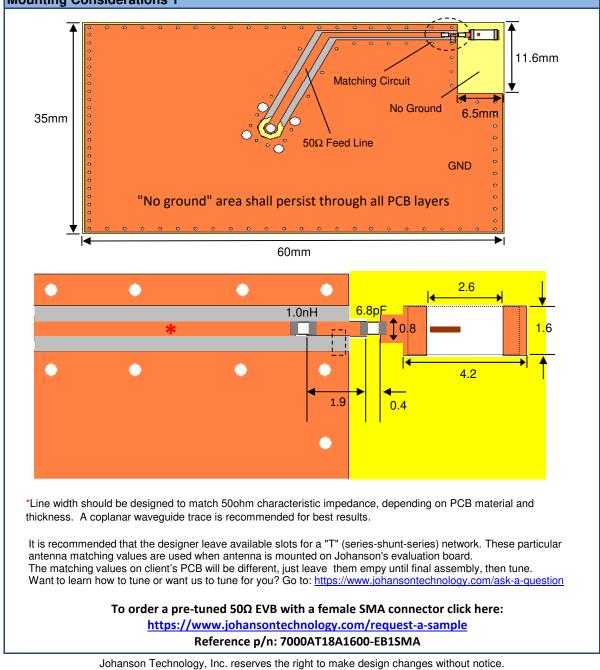
Ver. 2.2

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Mounting Considerations 1



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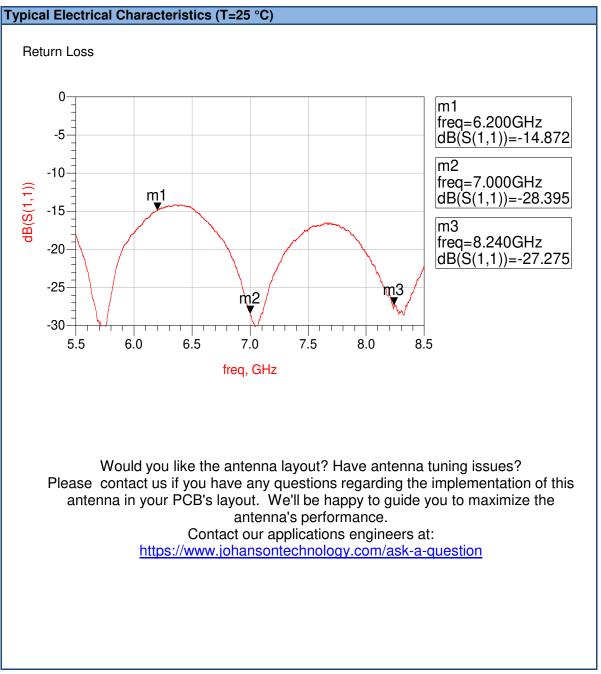
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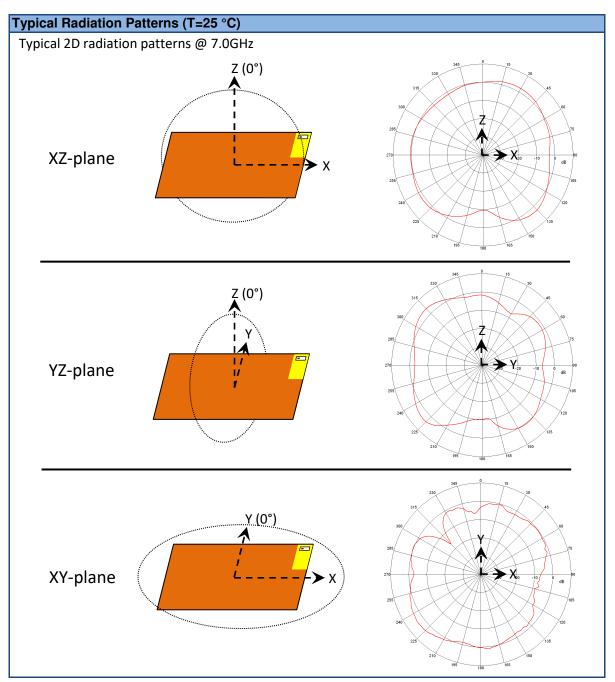
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Antenna tuning, optimization, and validation services:

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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