7GHz Mini UWB Antenna, AEC-Q200 Qualified

P/N 7000AT18A1600E-AEC

Page 1 of 5

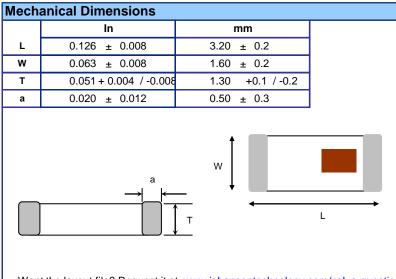
Detail Specification: 3/16/2018

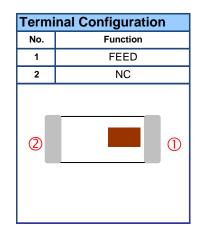
Let us help you with the antenna design, optimization, and tuning!

General Specification	ons			
Part Number	7000AT18A1600E-AEC			
Frequency (GHz)	6.2 - 7.8			
Avg. Rad Efficiency	84%			
Peak Gain (dBi)	3.8			
Average Gain (dBi)	-1.3			
Return Loss (dB)	10 min.	Storage Period	18 months max	
		Storage Temperature	-40 to +105°C	
Impedance	50 Ω	Operating Temperature	-40 to +105°C	
Input Power	2 Watts max. (CW)	Reel Quantity	3,000	

Part Number Explanation

P/N Suffix	Packing Style	Bulk (loose)	Suffix = S	e.g. 7000AT18A1600S-AEC	
		T & R	Suffix = E	e.g. 7000AT18A1600E-AEC	
		100% Tin	Suffix = E or S	e.g. 7000AT18A1600(E or S)-AEC	
	Evaluation Board	7000AT18A1600-EB1SMA (see page 2&3 for details)			





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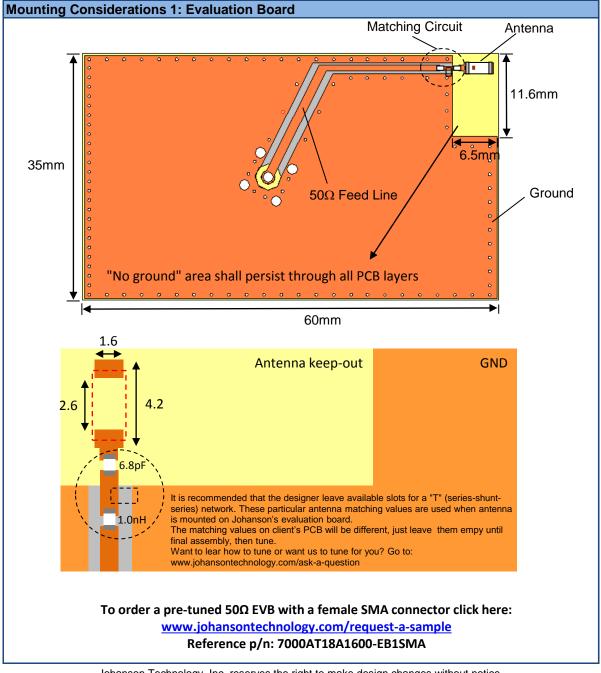
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Detail Specification:

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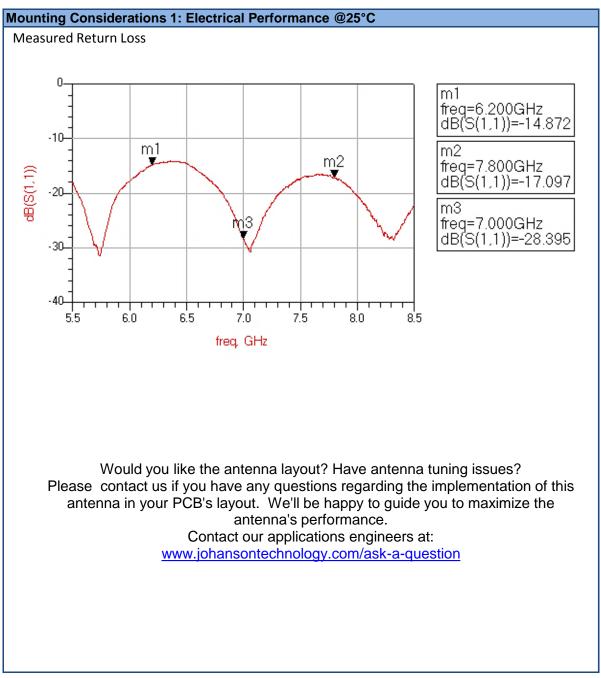
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Detail Specification:

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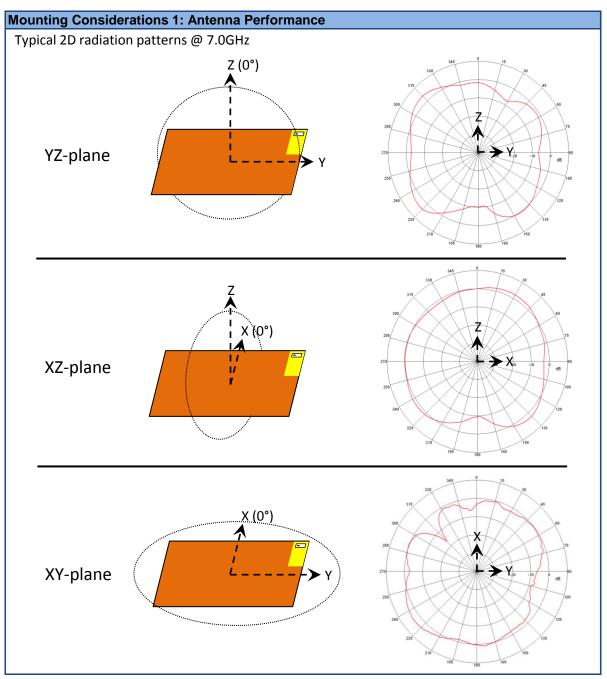


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Antenna tuning, optimization, and validation services: www.johansontechnology.com/ipc-antenna-services

For more antennas and to download measured S-parameters, go to: www.johansontechnology.com/antennas

Soldering Information

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Packaging information

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For layout review contact our Applications Team at: www.johansontechnology.com/ask-a-question

RoHS Compliance

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Need help designing the antenna in? Use our antenna design services! www.johansontechnology.com/ipc-antenna-services 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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