#### 7GHz Mini UWB Antenna, AEC-Q200 Qualified

P/N 7000AT18A1600E-AEC

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Detail Specification: 3/16/2018

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

<b>General Specification</b>			
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	
		Storage Temperature	
Impedance	50 Ω	Operating Temperature	
Input Power	2 Watts max. (CW)	Reel Quantity	

#### Part Number Explanation

P/N Suffix Packing Style Evaluation Boa		Bulk (loose)	Suffix = S	e.g. 7000AT18A1600S-AEC		
	Packing Style	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)				





Want the layout file? Request it at: www.johansontechnology.com/ask-a-question

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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** 

www.johansontechnology.com/ipcsoldering-profile

MSL Info

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**Packaging information** 

www.johansontechnology.com/tape-reel-packaging

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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