868 and 915MHz dual (wideband) ISM band SMD chip antenna P/N 0900AT43A0070 Detail Specification: 6/13/2016 Page 1 of 8

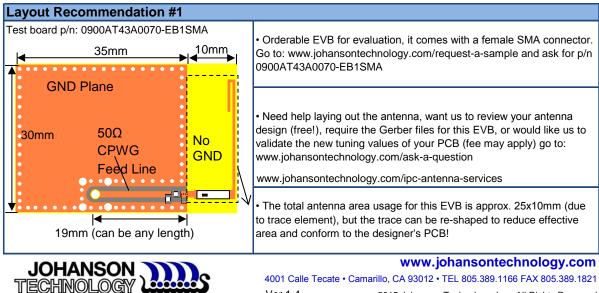
General Specifications				
Part Number	0900AT43A0070			
Frequency (MHz)	858 - 928			
Peak Gain (XZ-total)	-0.5 dBi typ.			
Average Gain (XZ-total)	-2.5 dBi typ.			
Radiated Efficiency	48% ave. <sup>1</sup>			
Return Loss	-4 dB min.			
impedance	50 Ω			
Reel Quantity	1,000			
Operating Temperature	-40 to +85°C	Recommended Storage Co	nditions	
Storage Temperature	-40 to +85°C	of unused product on T&R		
Power Capacity	2W max. (CW)	Storage Period		

<sup>1</sup>On test board 0900AT43A0070-EB2SMA, Layout# 2, page 5

Part Number Explanation						
P/N Suffix	Packing Style	Bulk (loose)	Suffix = S	eg. 0900AT43A0070S		
		T&R	Suffix = E	eg. 0900AT43A0070E		
		100% Tin	Suffix = E or S	eg. 0900AT43A0070(E or S)		

Ме	Mechanical Dimensions						
	In	mm	→l <sup>a</sup> ⊬				
L	0.276 ± 0.008	7.00 ± 0.20	<u></u> T				
W	0.079 <u>+</u> 0.008	2.00 ± 0.20	<u> </u>				
Т	0.031 ± +.004/008	0.80 ± +0.1/-0.2	w Į				
а	0.020 ± 0.012	0.50 ± 0.30	L L				

<b>Terminal Configuration</b>			
No.	Function		
1	RF Feed Point		
2	To trace element		
2			



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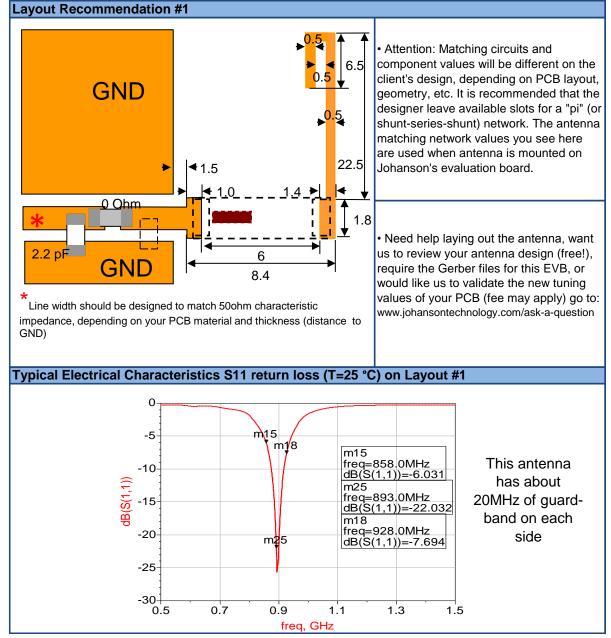
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868 and 915MHz dual (wideband) ISM band SMD chip antenna Detail Specification: 6/13/2016

**Recommended Application ISM** 

P/N 0900AT43A0070

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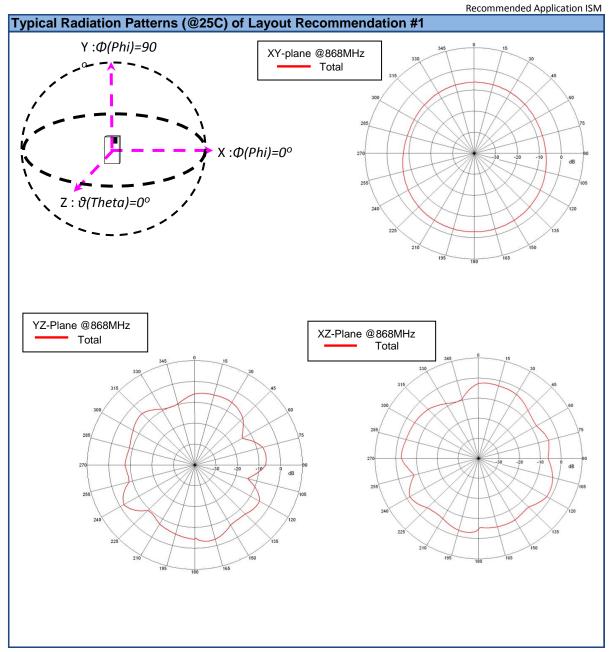
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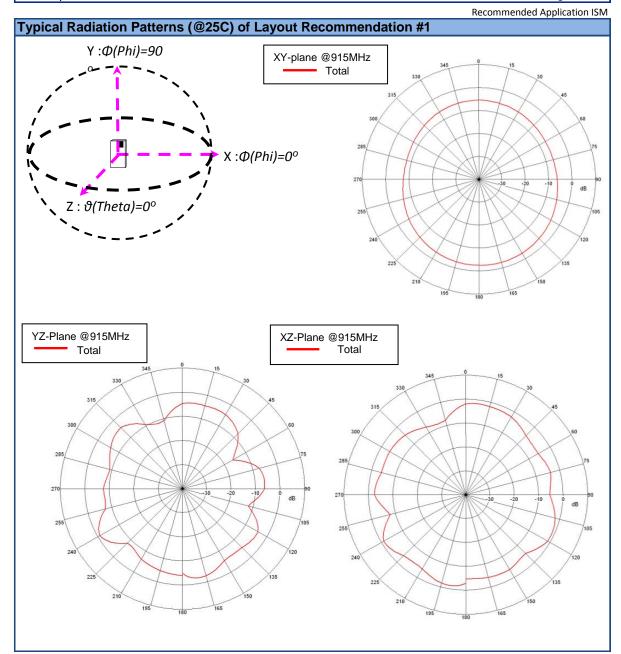
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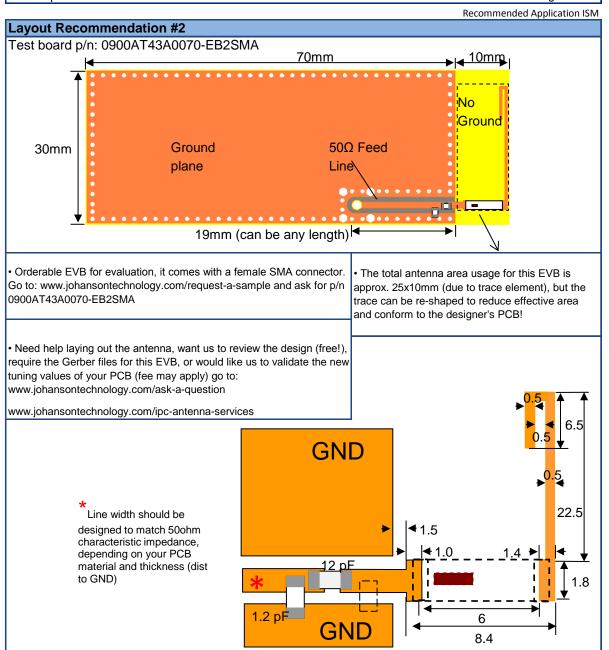
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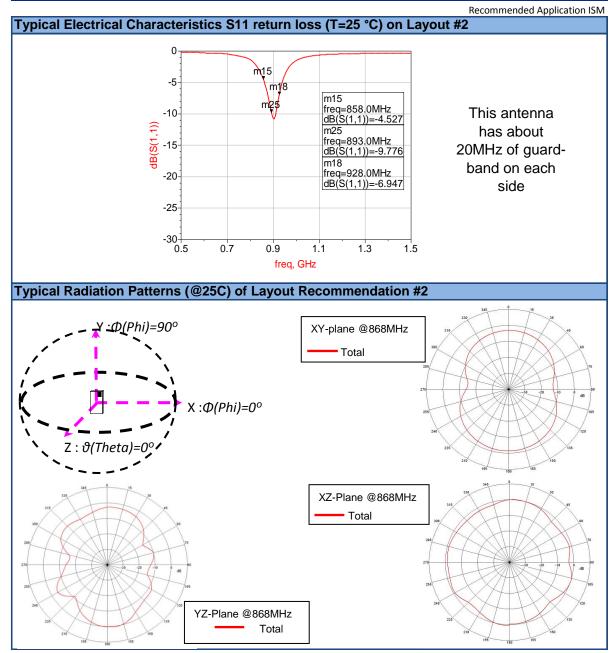
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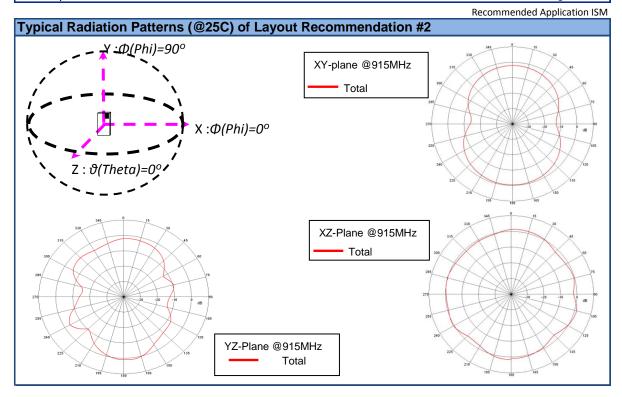
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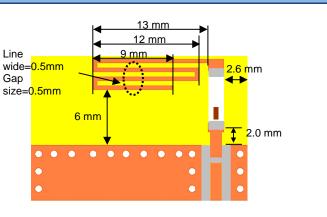


#### Alternative layout with reduced effective area No EVB available for this layout Total radiated efficiency will be reduced by

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Detail Specification: 6/13/2016	Page 8 of 8
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