

THE DATASHEET OF 3100AT51A7200E

Ultra Wide Band (UWB) Chip Antenna 3.1 -10.3 GHz

P/N 3100AT51A7200

Detail Specification: 08/29/2008

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General Specifications

Part Number	3100AT51A7200	
Freq. Range (GHz)	3100 - 10300	
Peak Gain (XZ-V)	1.5 dBi typ.	
Average Gain (XZ-V)	-3.5 dBi typ.	
Return Loss	9.5 dB min.	

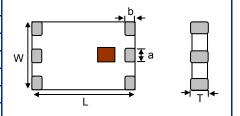
Input Power	3W max.
Impedance	50 Ω
Operating Temp.	-40 to +85°C
Reel Quanity	1,000

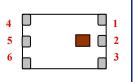
	Packaging	Bulk	Suffix = S	Eg. 3100AT51A7200S
P/N	Style	T&R	Suffix = E	Eg. 3100AT51A7200E
Suffix	Termination	100% Tin	Suffix = None	Eg. 3100AT51A7200(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 3100AT51A7200(E or S)/Pb

Terminal Configuration			
No.	Function		
1	GND		
2	Feeding Point		
3	GND		
4	NC		
5	NC		
6	NC		
4			

Mechanical Dimensions

	In	mm
L	0.394 ± 0.012	10.00 ± 0.30
W	0.236 ± 0.012	6.00 ± 0.30
Т	0.047 ± 0.008	1.20 ± 0.20
а	0.039 ± 0.012	1.00 ± 0.30
b	0.020 ± 0.012	0.50 ± 0.30
_		



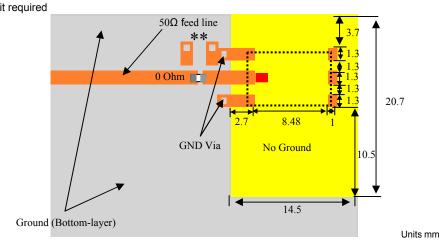


Mounting Considerations

Mount these devices with white mark facing up. Units: mm

* Line width should be designed to provide 50 Ω imped. matching characteristics, depending on PCB material and thickness.

**No matching circuit required



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Mounting Considerations Evaluation Board Units in mm 55. Antenna 20.7 No Ground Feeding line Details in prev page 14.5 54 Ground 33.3 70

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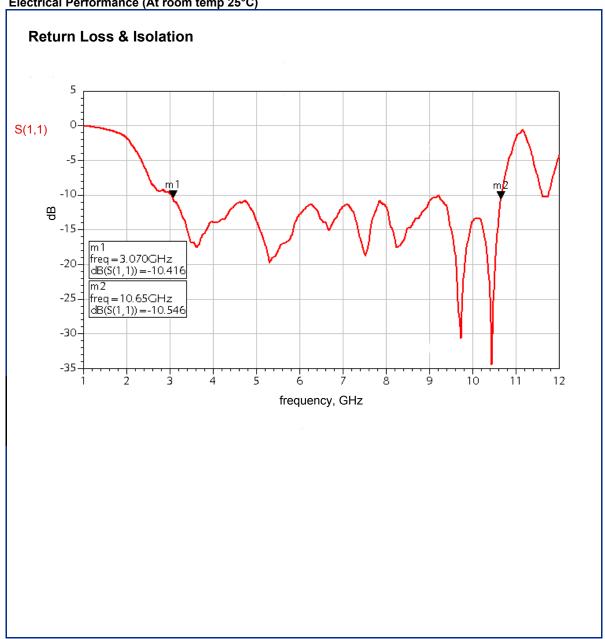
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Electrical Performance (At room temp 25°C)



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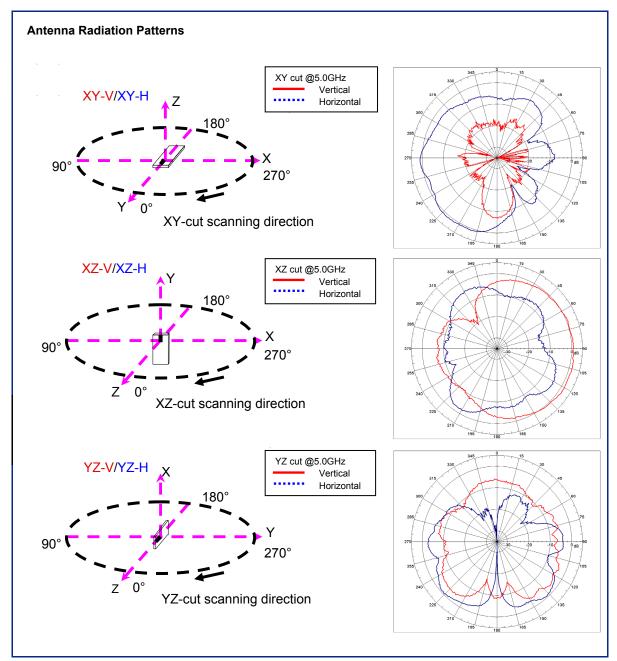


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