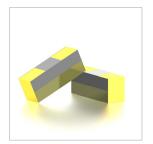


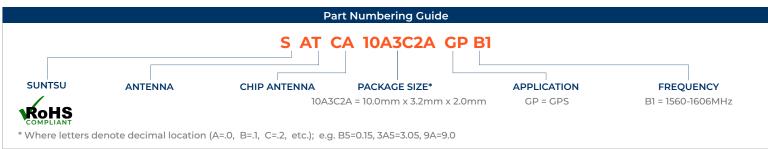
Features

- GPS
- Chip Type
- Stable And Reliable Performance
- 1560-1606MHz
- SMT Process Compatible

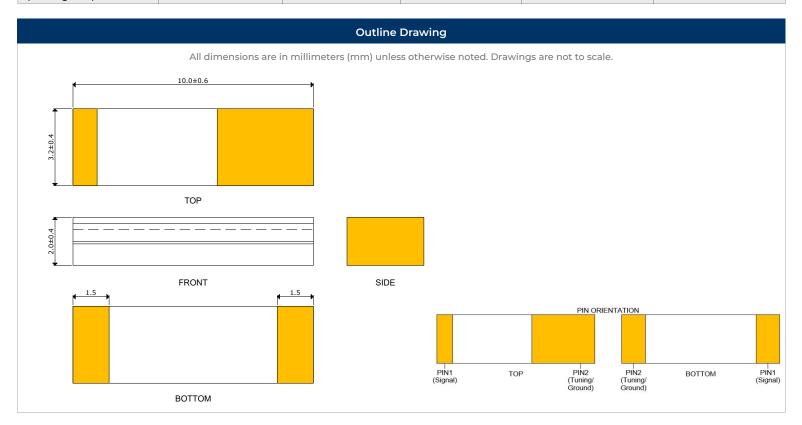
Applications

- Navigation Systems
- Tracking Systems
- Hand-Held GPS Devices (PDA, Smart Phone, PND)
- Fleet Management
- Telematics





Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	1560		1606	
Impedence	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2.7		At 1575MHz
Efficiency	%		75		At 1575MHz
VSWR				2	At Center Frequency
Operating Temperature	С	-40		85	

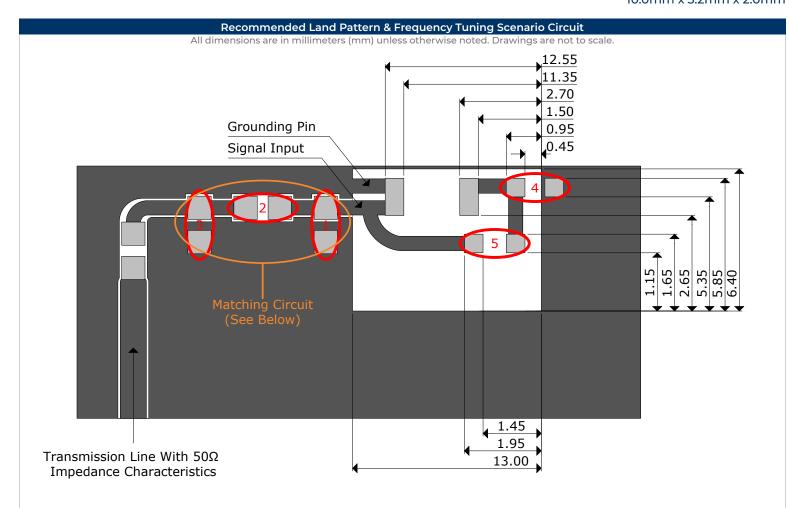


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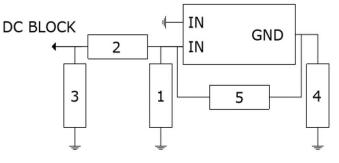
Specifications are subject to change without notice.

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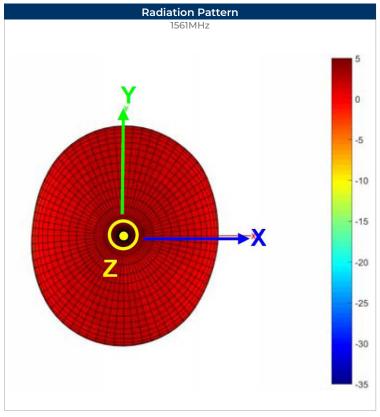
System Matching Circuit Components					
Location	Description	Vendor	Tolerance		
1	N/A	N/A	N/A		
2	1.5nH, (0402)	MURATA	±0.3nH		
3	1.5pF, (0402)	MURATA	±0.05pF		
4 (Fine Tuning)	1.8pF, (0402)	MURATA	±0.05pF		
5 (Fine Tuning)	0.7pF, (0402)	MURATA	±0.05pF		

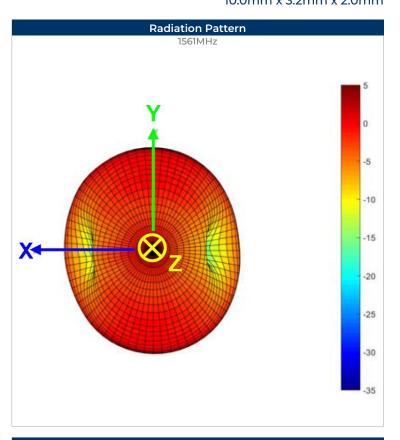


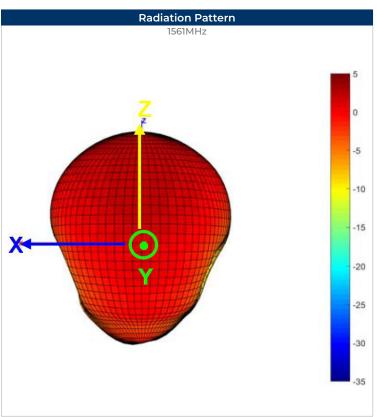
For these suggested values for the matching and tuning of components, the average frequency will be around 1575.42MHz on a standard 80 x 40mm² Evaluation board.

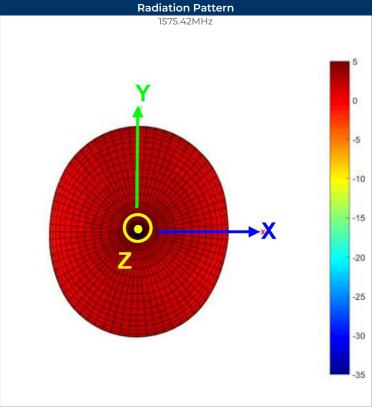
Please note, these are average reference values which may need to be changed when different circuit boards or manufactures are used.











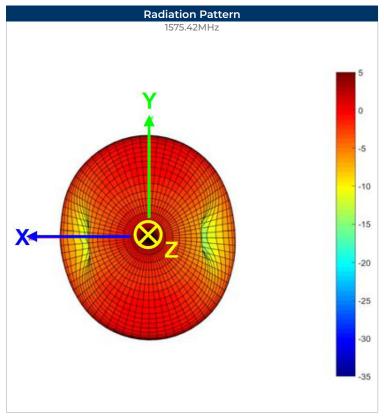
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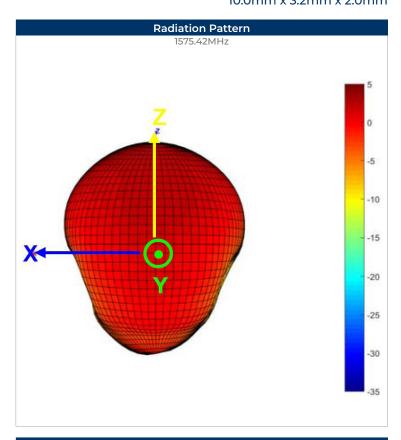
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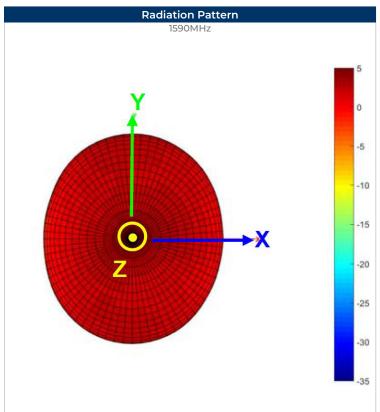
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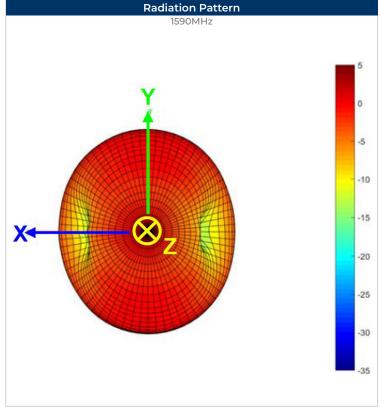
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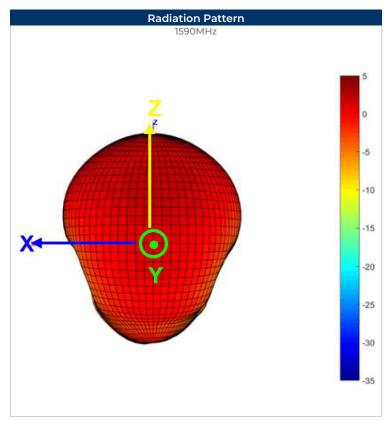


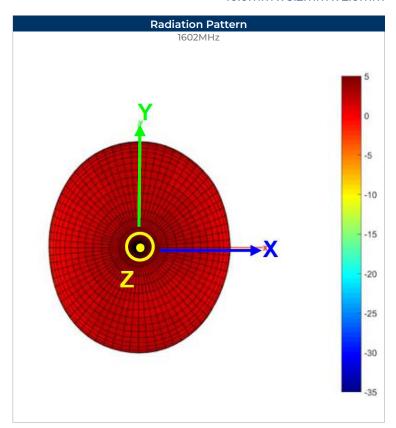
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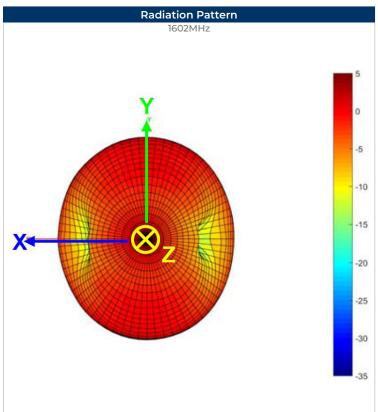
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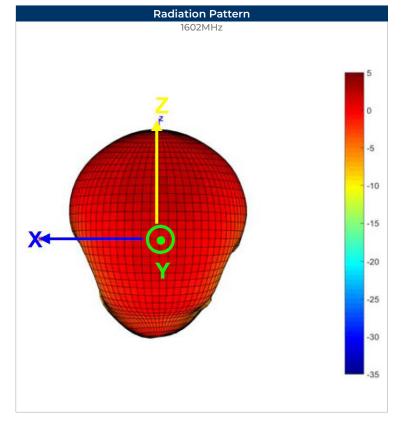
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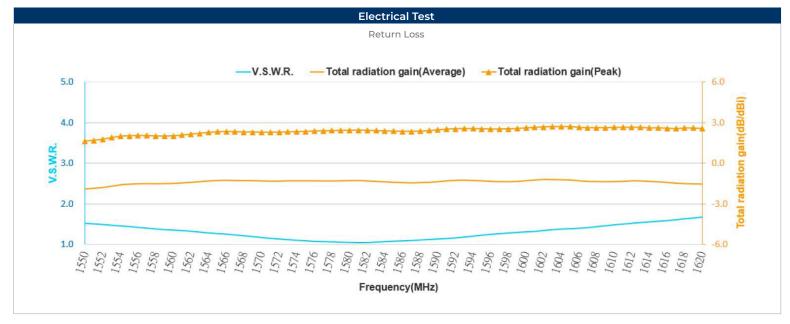
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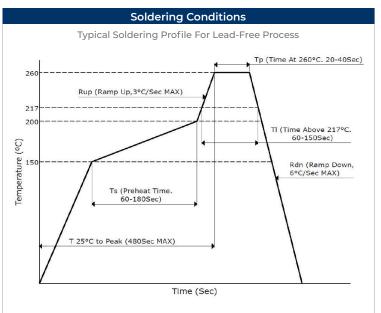
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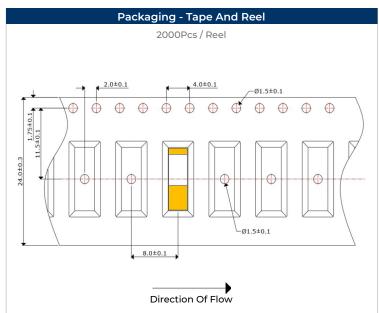
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Environmental & Mechanical Specifications				
High Temperature Test	85°C for 500 hours, and then to normal temperature/humidity for 24hours.			
Low Temperature Test	-30°C for 500 hours, and then to normal temperature/humidity for 24hours.			
Humidity Test	85°C / 90-95%RH for 96 hours, and then to normal temperature/humidity for 24hours.			
Thermal Shock Test	-30°C for 30 min and +85°C for 30 min. 5 cycles, then expose to normal temperature/humidity for 24 hours or more.			
Vibration Test	5 to 200 to 5Hz, swept in 10min, 4.5G at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours.			