

## SATCA-5A1A1D-WFB1

5.0mm x 1.0mm x 1.3mm CHIP ANTENNA

5A1A1D: 5.0mm x 1.0mm x 1.3mm

## APPLICATIONS

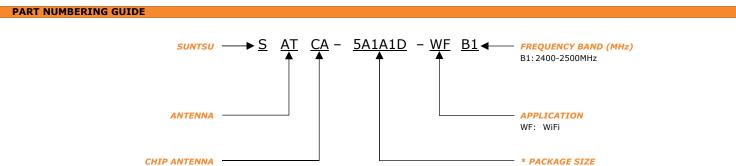
- WiFi/ZigBee/Bluetooth
- Chip Type

**FEATURES** 

- Stable And Reliable Performance
- 2400-2500MHz
- SMT Process Compatible

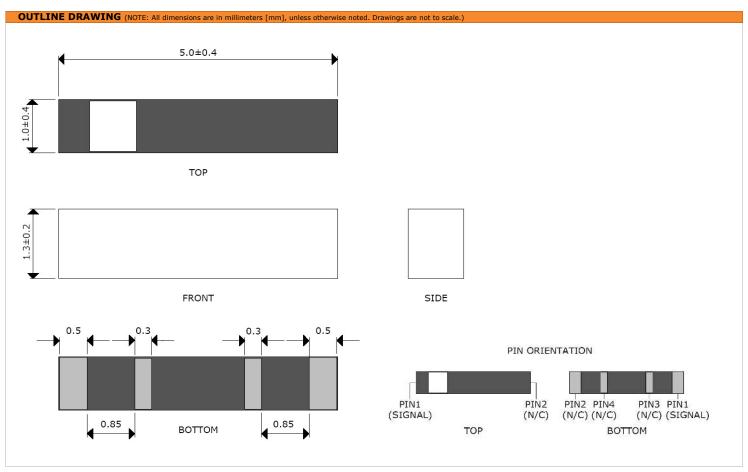
- ISM 2.4 GHz Applications
- ZigBee/BLE Applications
- Bluetooth Earphone Systems
- Smart Hand Held Devices
- Machine To Machine Communication





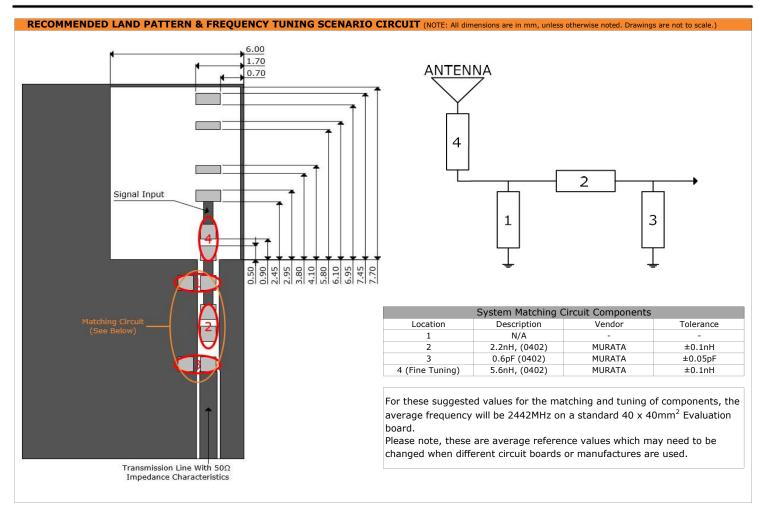
\* Where letters denote decimal location A=.0, B=.1, C=.2, etc. Ex: B5=0.15, 3A5=3.05, 9A=9.0 To customize your parameters, contact a Suntsu representative.

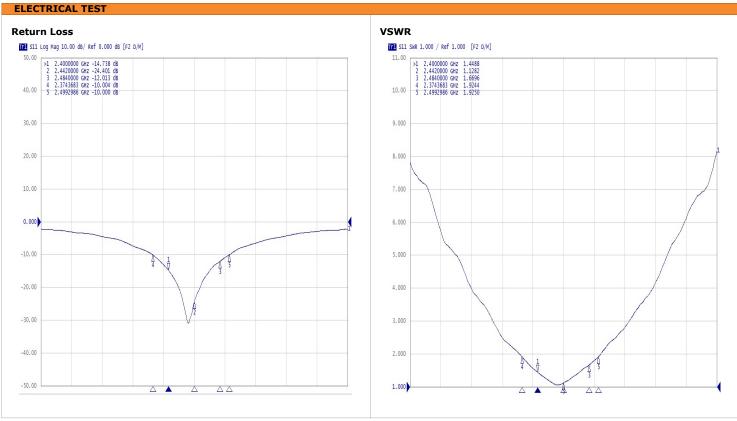
<b>ELECTRICAL PARAMETERS (At 25°C)</b>	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		0.5		At 2442MHz
Efficiency	%		55		At 2442MHz
VSWR				2	At Center Frequency
Operating Temperature	oC.	-40		85	



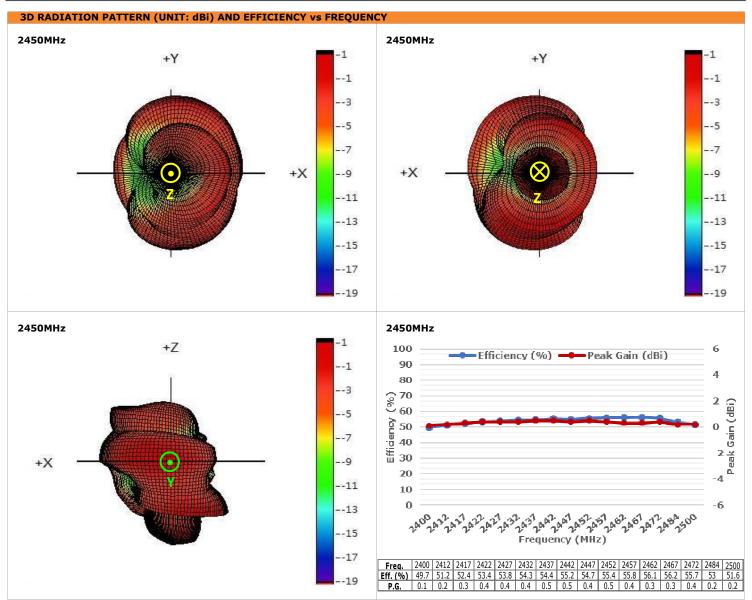
## SATCA-5A1A1D-WFB1

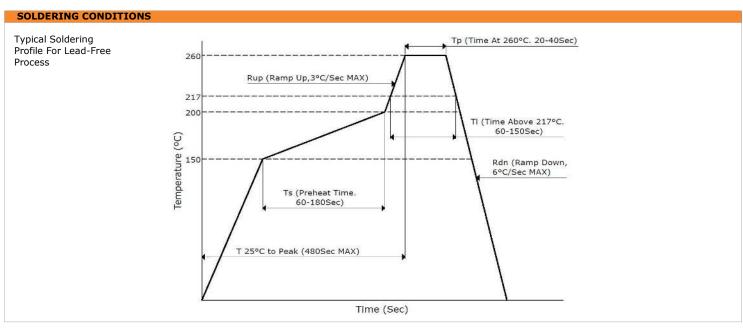
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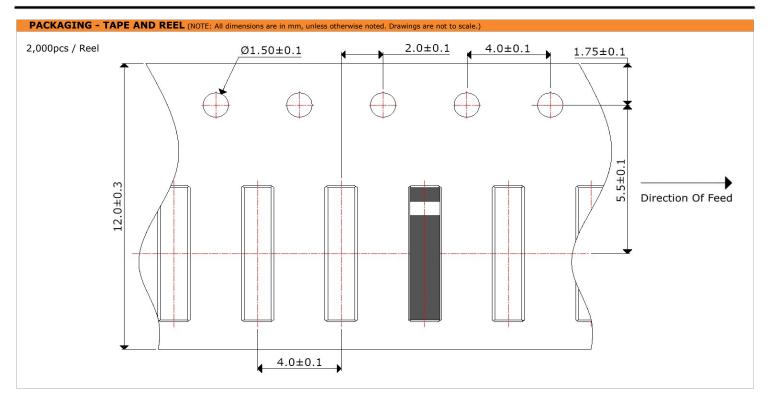
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ENVIRONMENTAL & MECHANICAL SPECIFICATIONS		
High Temperature Test	85°C for 500 hours, and then to normal temperature/humidity for 24hours.	
Low Temperature Test	-30°C for 500 hours, and then to normal temperature/humidity for 24hours.	
Humidity Test	85°C / 90-95% 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.	