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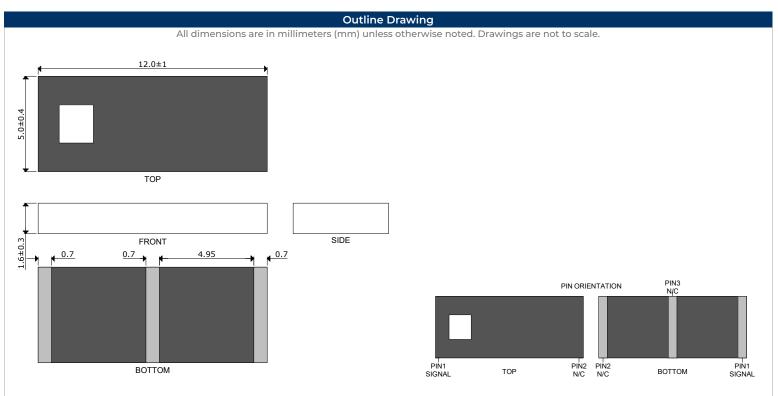
Chip Antenna SATCA-12A5A1G-ISB2 12.0mm x 5.0mm x 1.6mm



SUNTSU	ANTENNA	CHIP ANTENNA	PACKAGE SIZE*	APPLICATION	FREQUENCY
ROHS		12A4A	.1G = 12.0mm x 5.0mm x 1.6mm	IS - ISM	B2 = 433.05- 434.79MHz

* Where letters denote decimal location (A=.0, B=.1, C=.2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	433.05		434.79	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		-4.9		At 433MHz
Efficiency	%		16		At 433MHz
VSWR				2	At Center Frequency
Operating Temperature	С	-40		85	



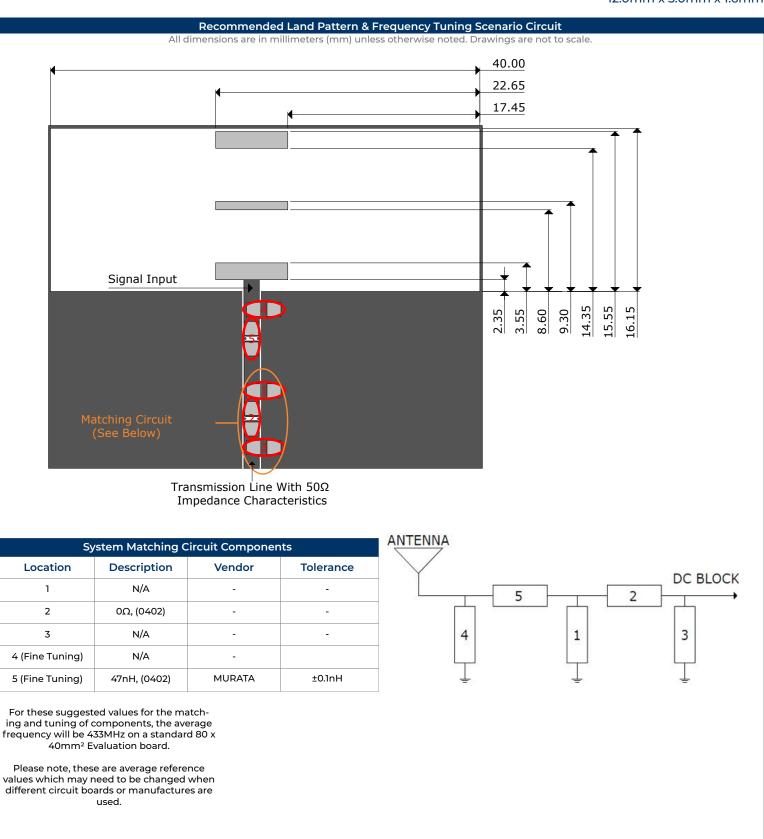
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Specifications are subject to change without notice.

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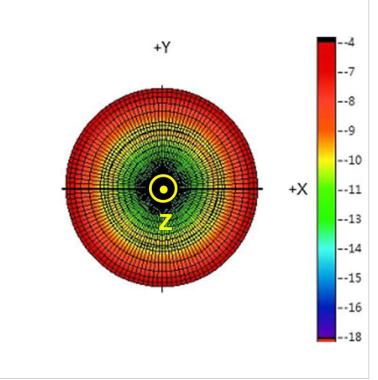
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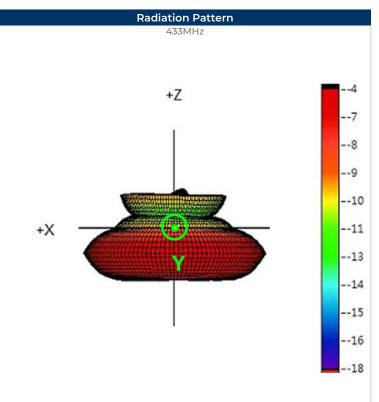
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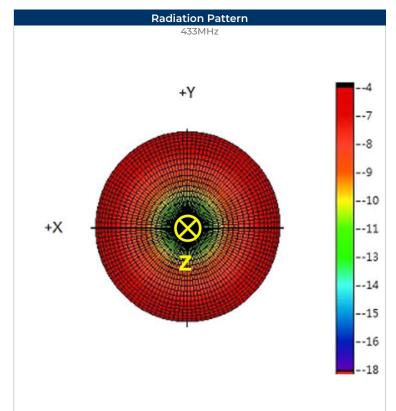
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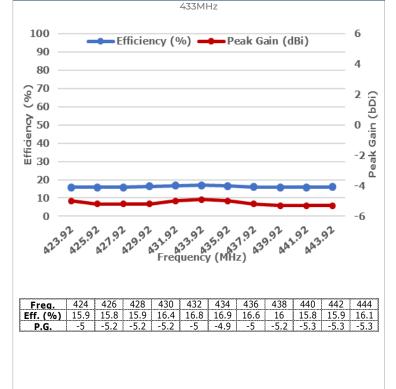








Efficiency V's Frequency



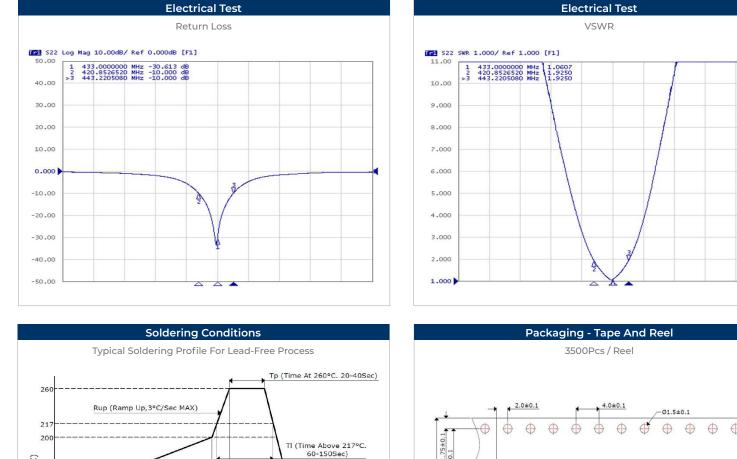
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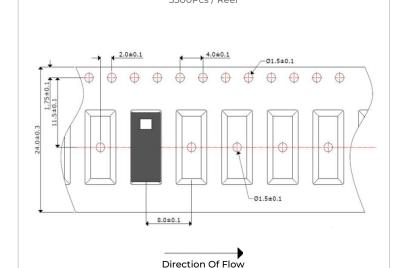
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Chip Antenna SATCA-12A5A1G-ISB2 12.0mm x 5.0mm x 1.6mm



Rdn (Ramp Down,

6°C/Sec MAX)



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, 4.5C at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours.			

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Temperature (°C)

Specifications are subject to change without notice.

Ts (Preheat Time. 60-180Sec)

Time (Sec)

T 25°C to Peak (480Sec MAX)

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