
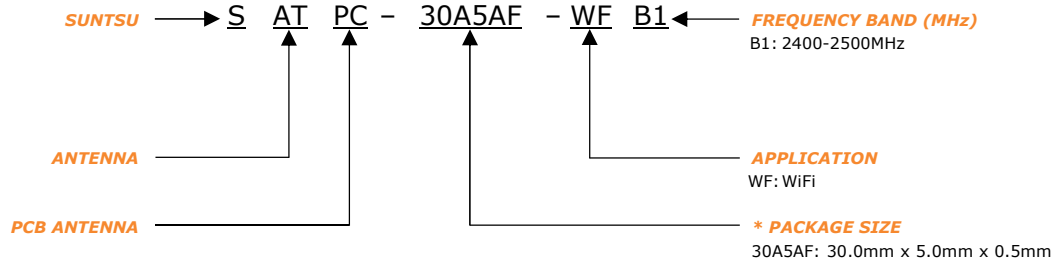


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> - WiFi/Bluetooth - PCB Type - Stable And Reliable Performance - 2400-2500MHz - Compact Size With Efficient Reception 	<ul style="list-style-type: none"> - IEEE802.11 (b/g/n) - Hand-held Devices - Portable Devices - Network Devices - Machine To Machine Wireless 	

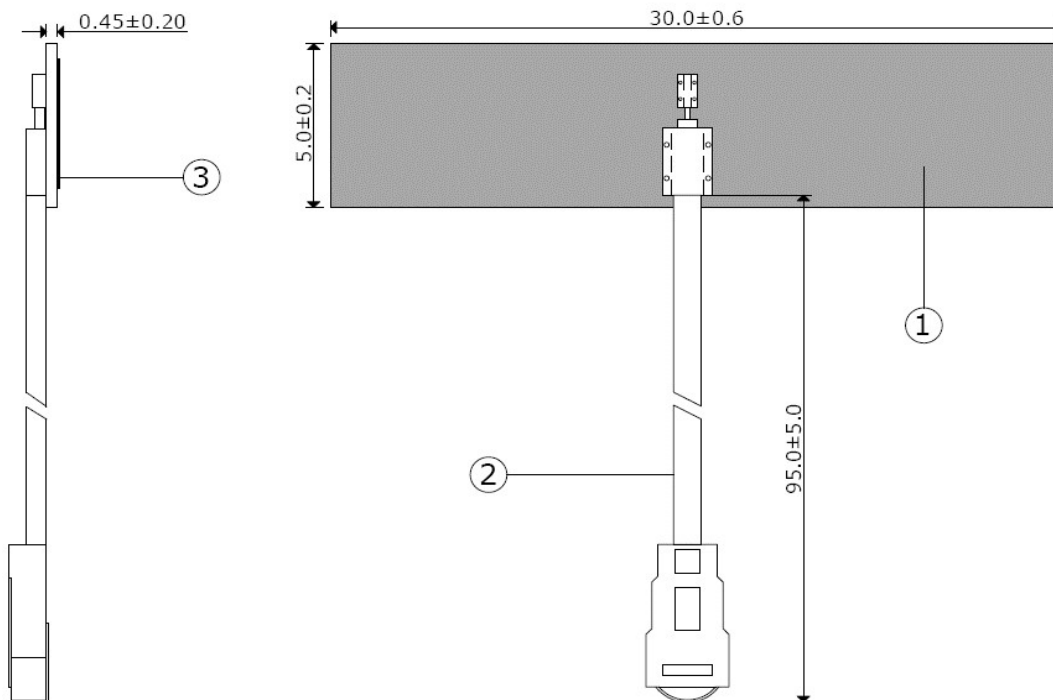
PART NUMBERING GUIDE



* 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.

ELECTRICAL PARAMETERS (At 25°C)	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		3.2		At 2442MHz
Efficiency	%		79		At 2442MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

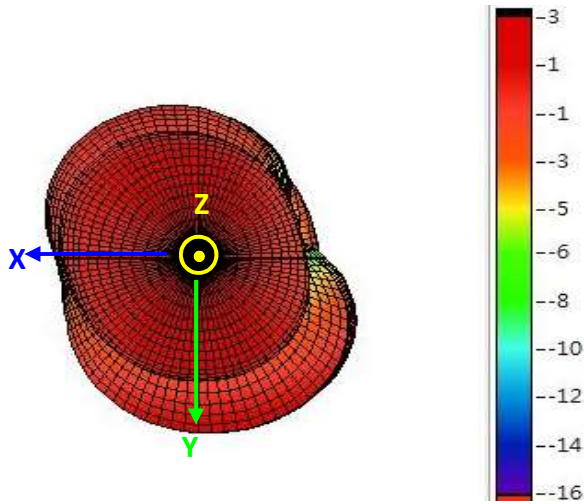
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



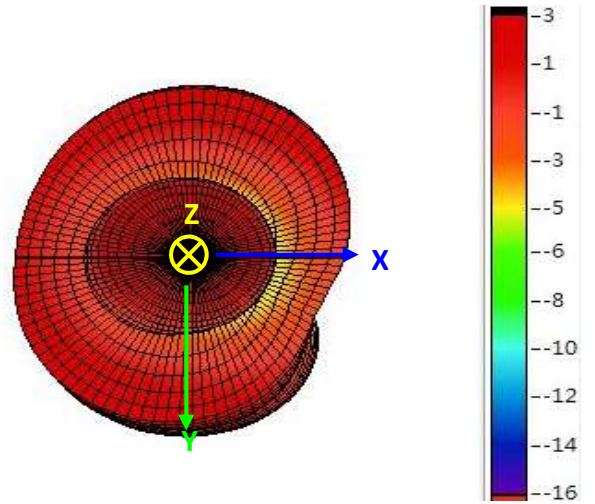
Item	Material
1	FR4 PCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape

3D RADIATION PATTERN (UNIT: dBi) AND EFFICIENCY vs FREQUENCY

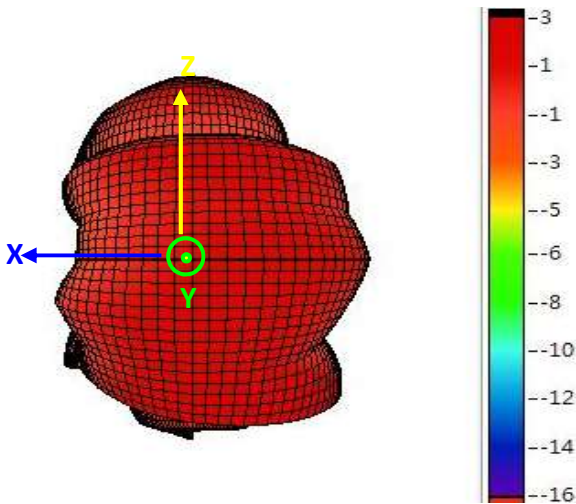
2442MHz



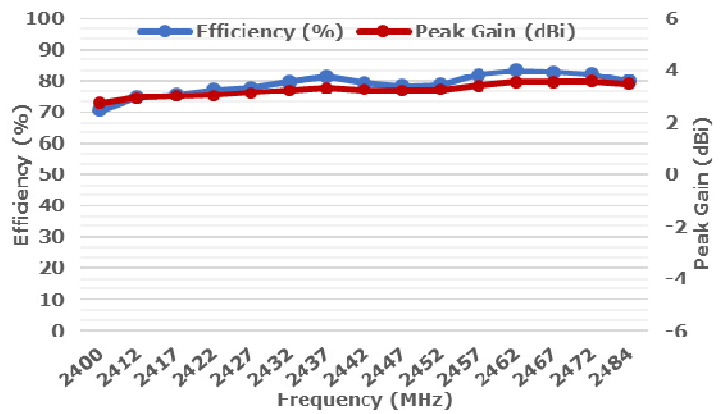
2442MHz



2442MHz



2442MHz

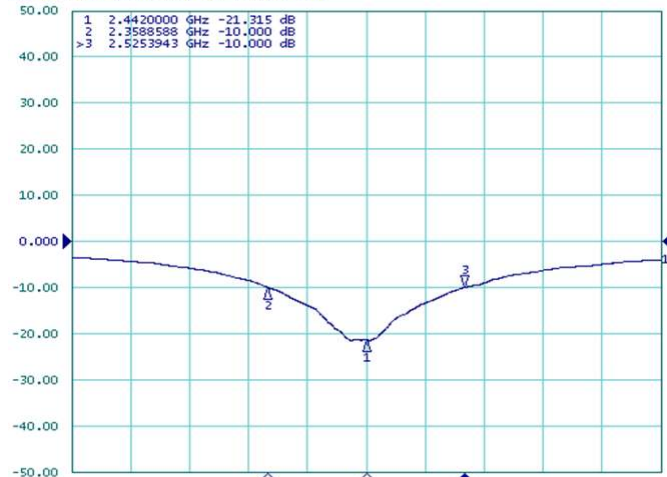


Freq.	2400	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472	2484
Eff. (%)	70.6	74.8	75.7	77.1	77.8	79.6	81.3	79.3	78.3	78.7	81.9	83.4	82.8	82	79.8
P.G.	2.76	2.96	3.02	3.05	3.15	3.24	3.32	3.26	3.23	3.26	3.42	3.55	3.56	3.58	3.48

ELECTRICAL TEST

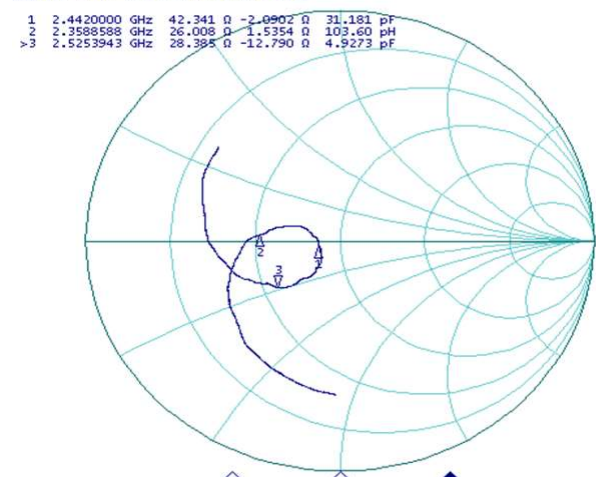
RETURN LOSS

[F1] S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



VSWR

[F1] S11 Smith (R+j)X Scale 1.000U [F1]



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.