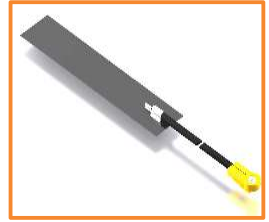
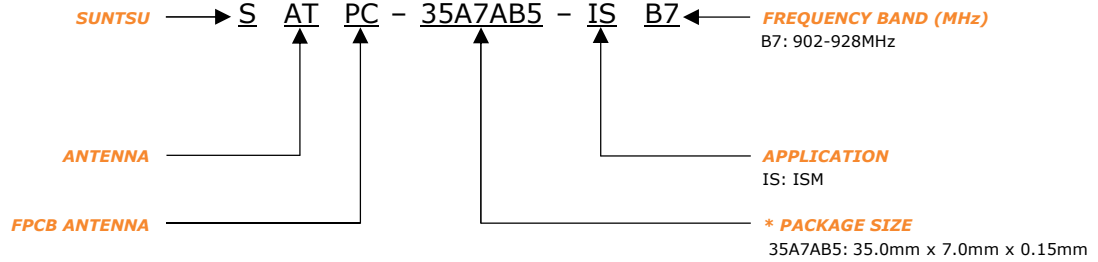


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - IMS Band - FPCB Type - Stable And Reliable Performance - 902-928MHz - Compact Size With Efficient Reception 	<ul style="list-style-type: none"> - IOT Applications - Smart Meters - Wireless Alarm And Security System - Industrial Monitoring And Control



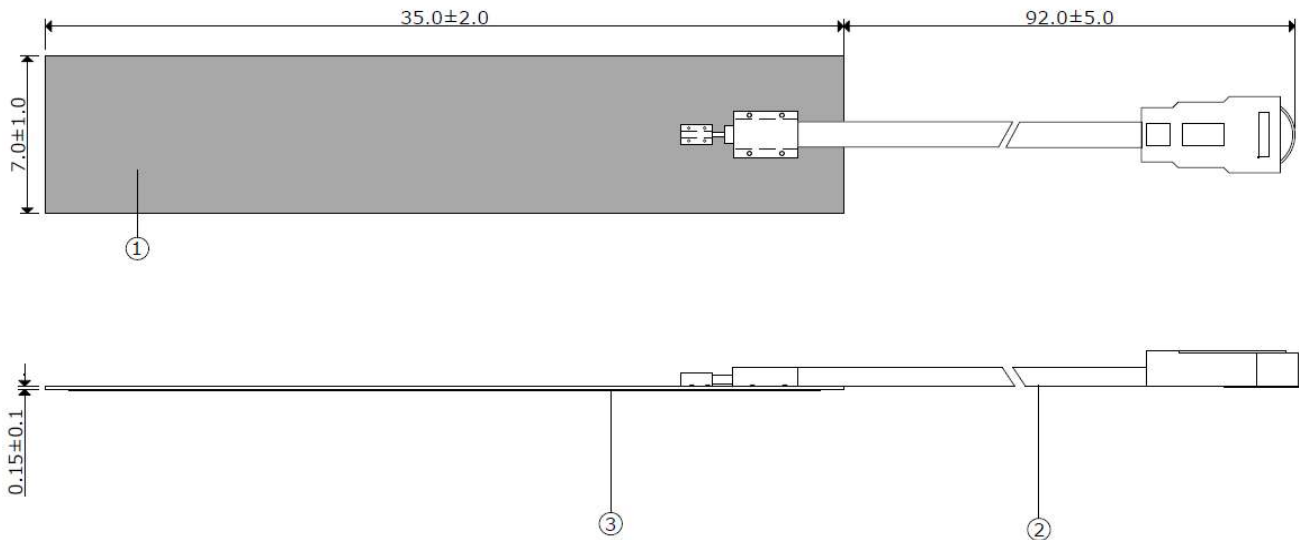
PART NUMBERING GUIDE



* 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	902		928	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2.3		At 915MHz
Efficiency	%		66		At 915MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

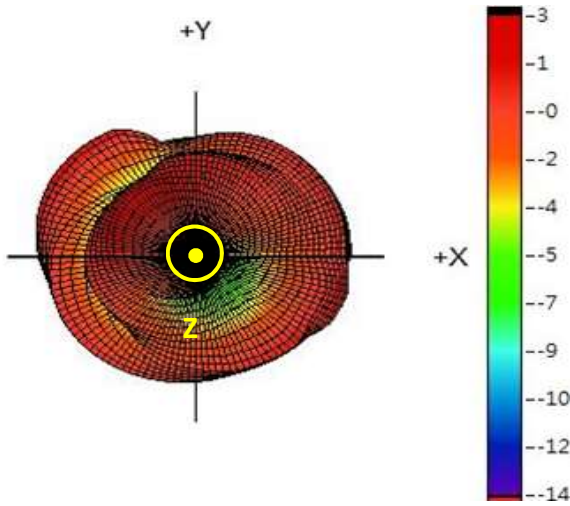
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



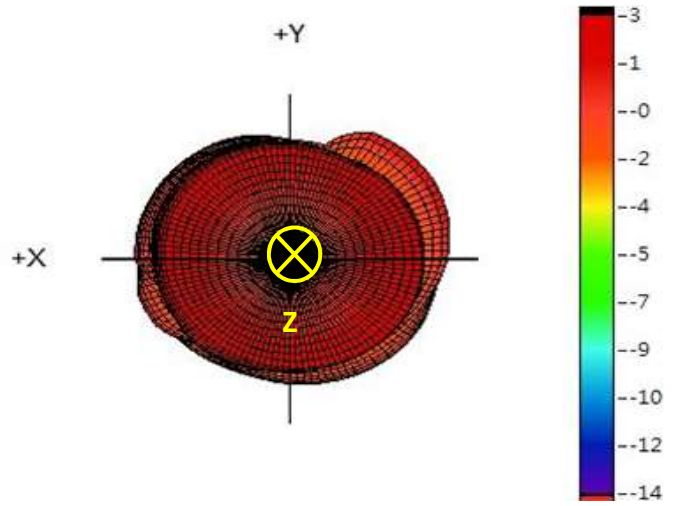
Item	Material
1	FR4 FPCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape

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

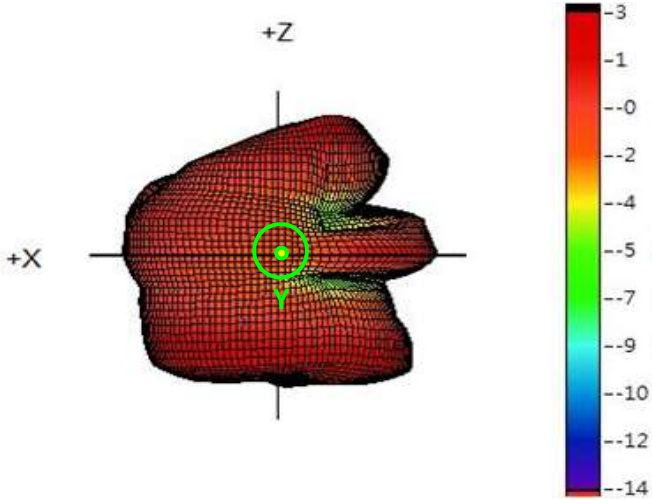
915MHz



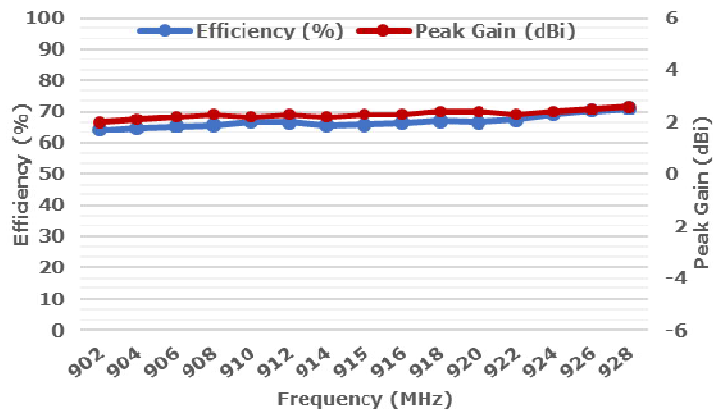
915MHz



915MHz



915MHz

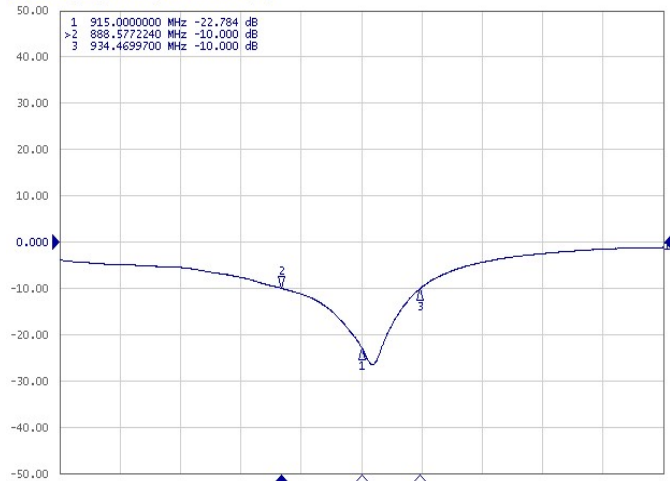


Freq.	902	904	906	908	910	912	914	915	916	918	920	922	924	926	928
Eff. (%)	64	64.7	65.2	65.6	66.7	66.5	65.60	65.90	66.4	67	66.5	67.3	69	70.2	71
P.G.	2	2.1	2.2	2.3	2.2	2.3	2.2	2.3	2.3	2.4	2.4	2.3	2.4	2.5	2.6

ELECTRICAL TEST

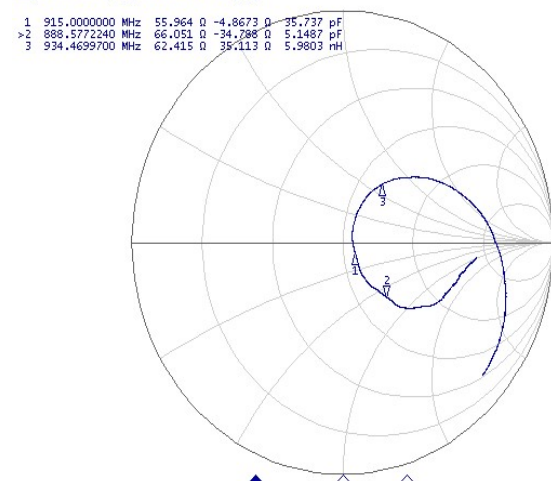
RETURN LOSS

[F1] S22 Log Mag 10.00dB/ Ref 0.000dB [F1]



SMITH CHART

[F1] S22 Smith (R+jX) 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.