
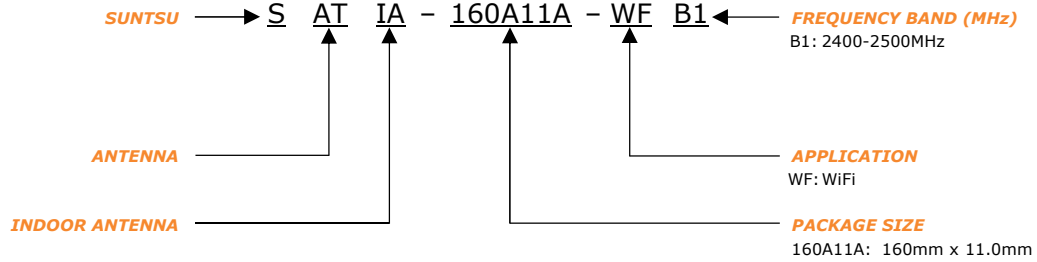


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> - WiFi / Bluetooth - Indoor Antenna - 50 Ohm Impedance - 2400-2500MHz - Omni Radiation 	<ul style="list-style-type: none"> - Bluetooth & IEEE 802.11a/b/g - Wireless Communication - Portable Device - Machine To Machine Communication - Network Devices 	

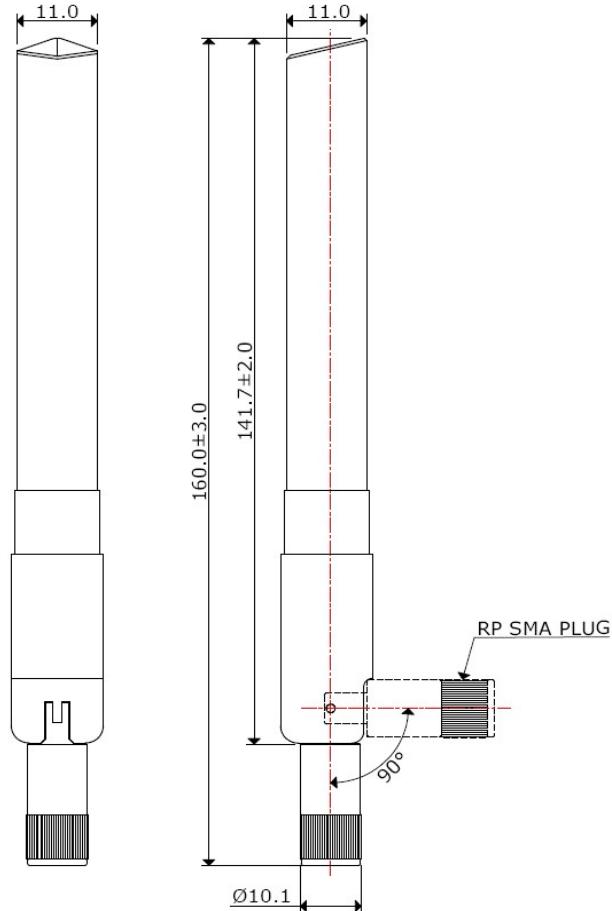
PART NUMBERING GUIDE



* 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			Vertical		
Peak Gain	dBi		4.3		At 2450MHz
Efficiency	%		70		At 2450MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-20		65	

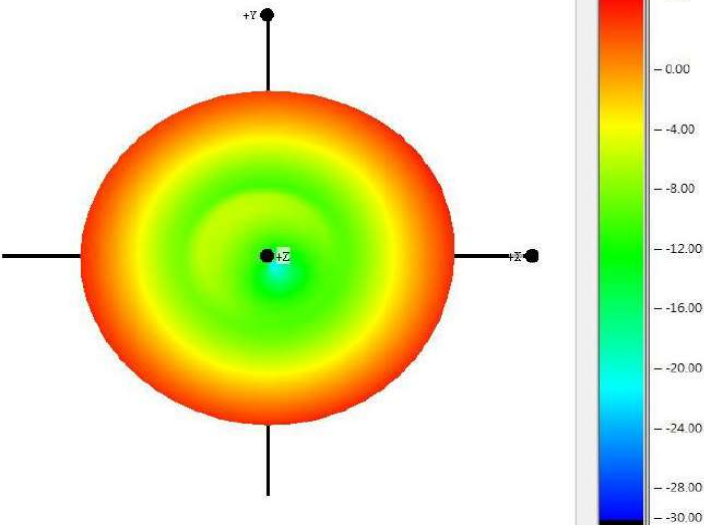
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



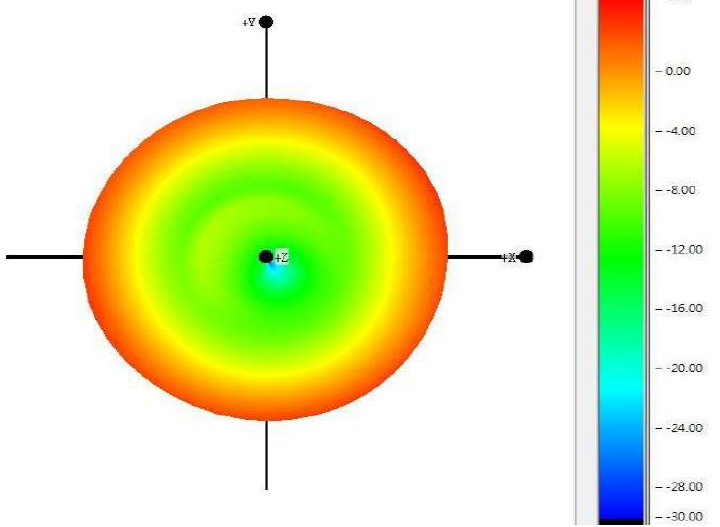
Item	Material
Whip	ABS
Connector	Brass
Connector Insulator	Teflon

3D RADIATION PATTERN (UNIT: dBi)

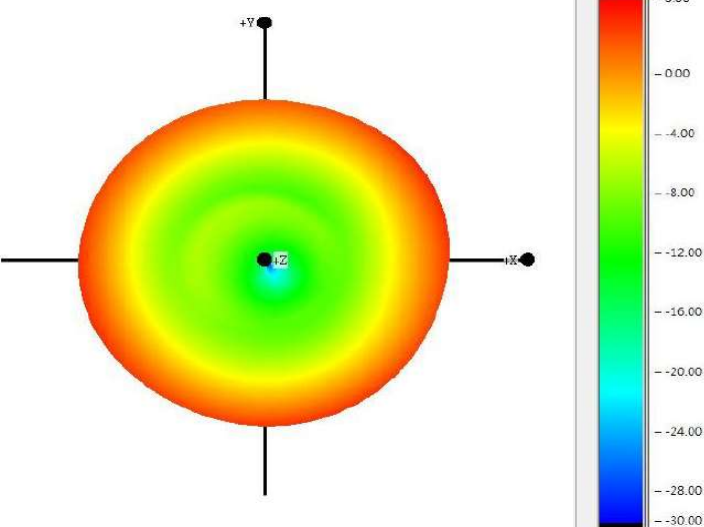
2400MHz



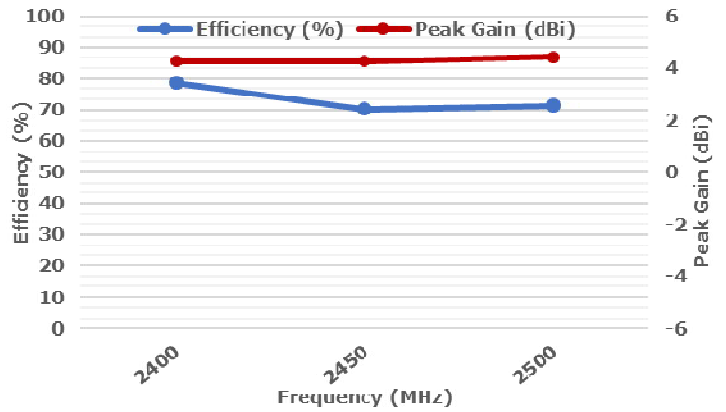
2450MHz



2500MHz



Efficiency v's Frequency

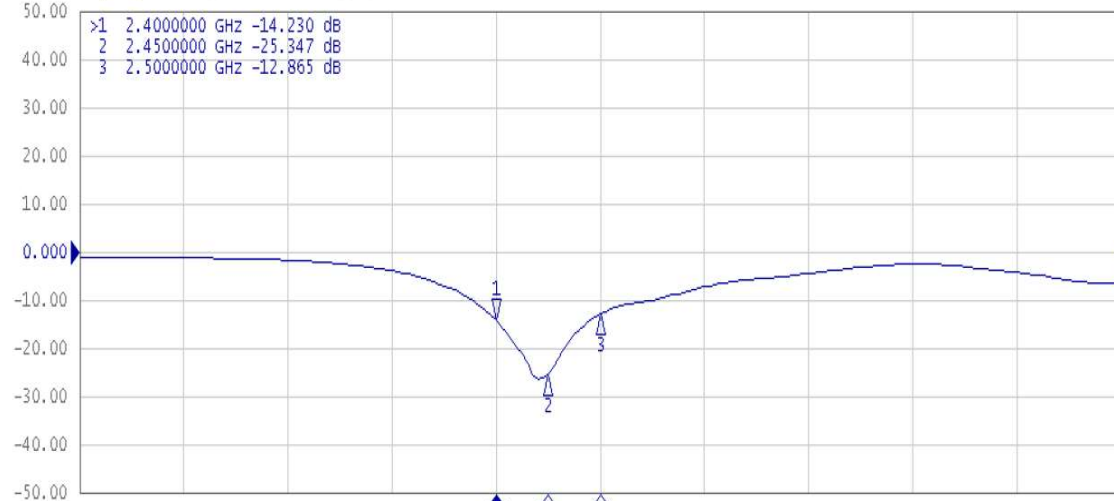


Freq.	2400	2450	2500
Eff. (%)	78.7	70.3	71.3
P.G.	4.26	4.28	4.44

ELECTRICAL TEST

Return Loss

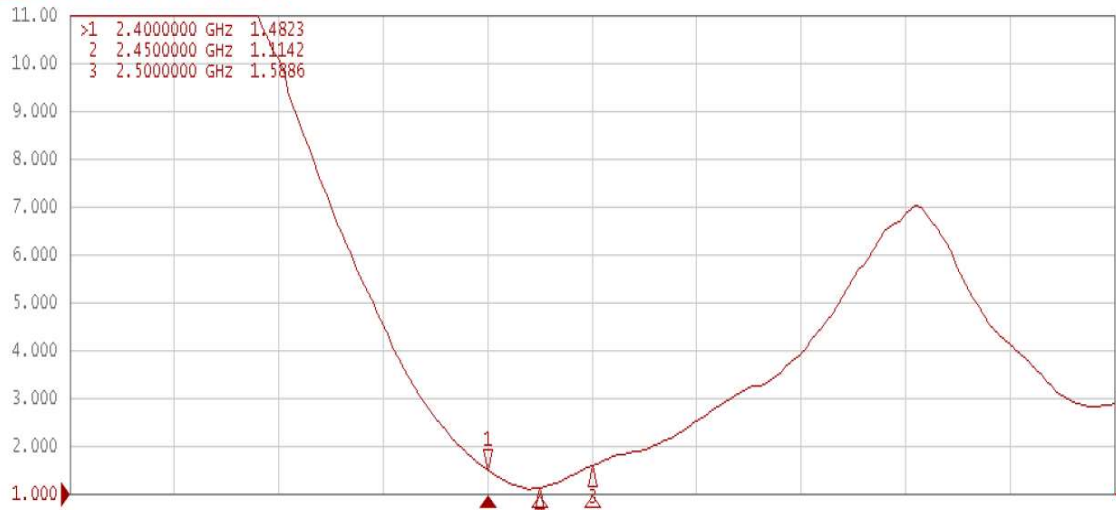
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]



ELECTRICAL TEST (CONT.)

VSWR

▶ Tr2 S11 SWR 1.000/ Ref 1.000 [F2]



ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

High Temperature Test	70°C for 48 hours, and then to normal temperature/humidity for 24hours.
Low Temperature Test	-20°C for 48 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	65°C / 90%RH for 48 hours, and then to normal temperature/humidity for 24hours.
Thermal Shock Test	-20°C for 30 min and +70°C for 30 min. 48 cycles, then expose to normal temperature/humidity for 24 hours or more.