


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> - NFC Antenna (Near Field Communications) - Stable And Reliable Performance - 13.56MHz - Halogen-Free - RoHS compliance 	<ul style="list-style-type: none"> - Hand Held Devices When NFC Or RFID Functions Are Needed - Data Transfer - Machine To Machine Communication (Short Distance) 	

PART NUMBERING GUIDE

SUNTSU → **S** **AT** **NF** - **18A11AG5** - **NF** **B1** ← **FREQUENCY BAND (MHz)**
B1: 13.56MHz

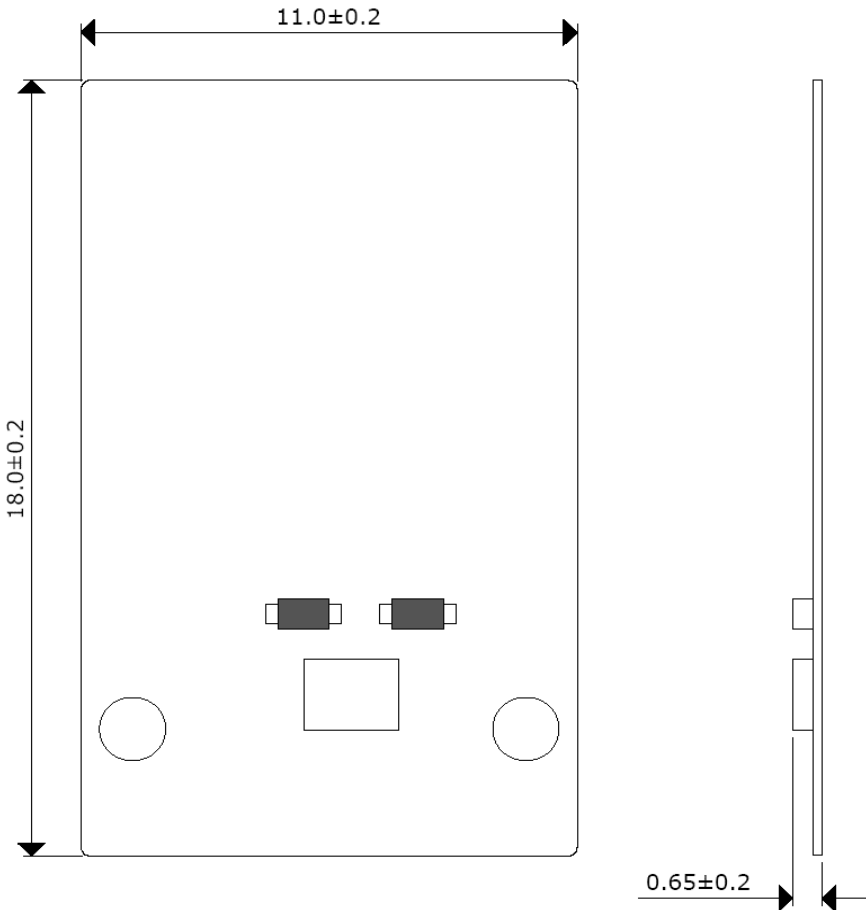
ANTENNA → **AT** **APPLICATION**
NF: NFC

NEAR FIELD → **NF** *** PACKAGE SIZE**
18A11AG5: 18.0mm x 11.0mm x 0.65mm

* 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	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz		13.56		
Impedance	Ω		50		
Q-Factor			20		
Operating Temperature	°C	-40		85	

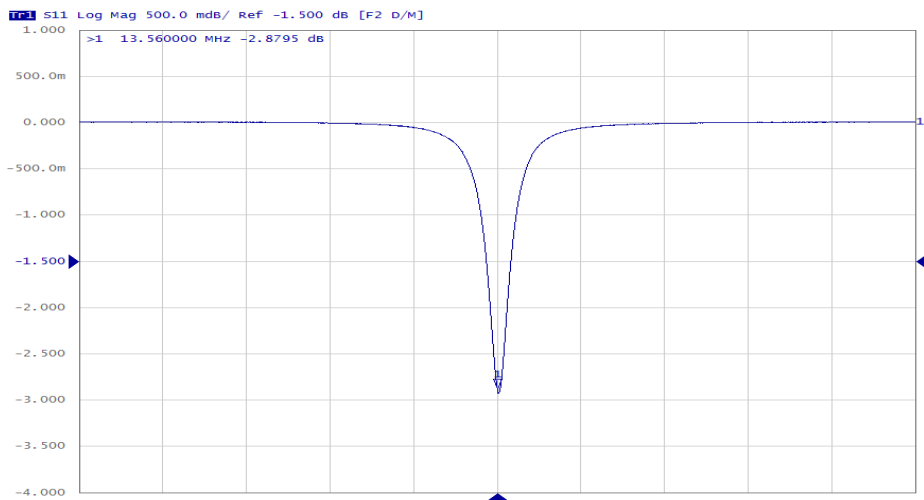
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



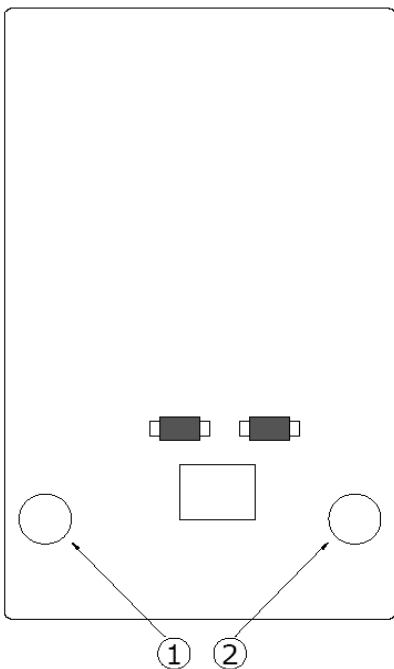
The drawing shows a rectangular antenna with a width of 11.0 ± 0.2 mm and a height of 18.0 ± 0.2 mm. The thickness is 0.65 ± 0.2 mm. The top view shows two circular pads on the left and right sides, and two rectangular pads in the center. The side view shows the profile of the antenna with a small notch on the top edge.

ELECTRICAL TEST

Return Loss



Pin Assignments



Pin Number	Symbol	Description
1	GND	Ground
2	FD	RF Field Detect Connection