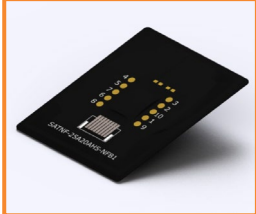
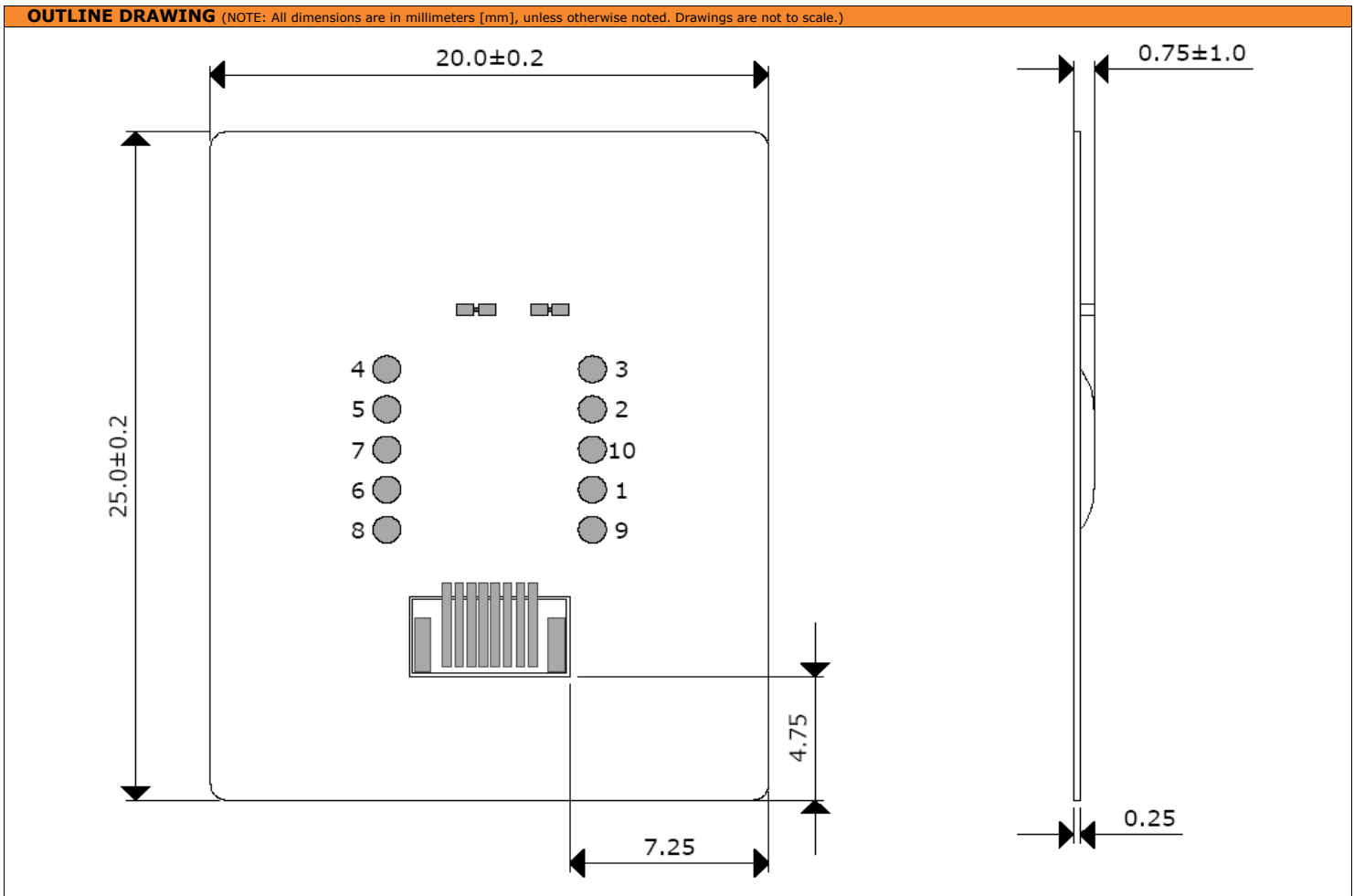


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> <li>- NFC Antenna (Near Field Communications)</li> <li>- Stable And Reliable Performance</li> <li>- 14.20MHz</li> <li>- Halogen-Free</li> <li>- RoHS compliance</li> </ul>	<ul style="list-style-type: none"> <li>- Hand Held Devices When NFC or RFID Functions Are Needed</li> <li>- Data Transfer</li> <li>- Machine To Machine Communication (Short Distance)</li> </ul>	

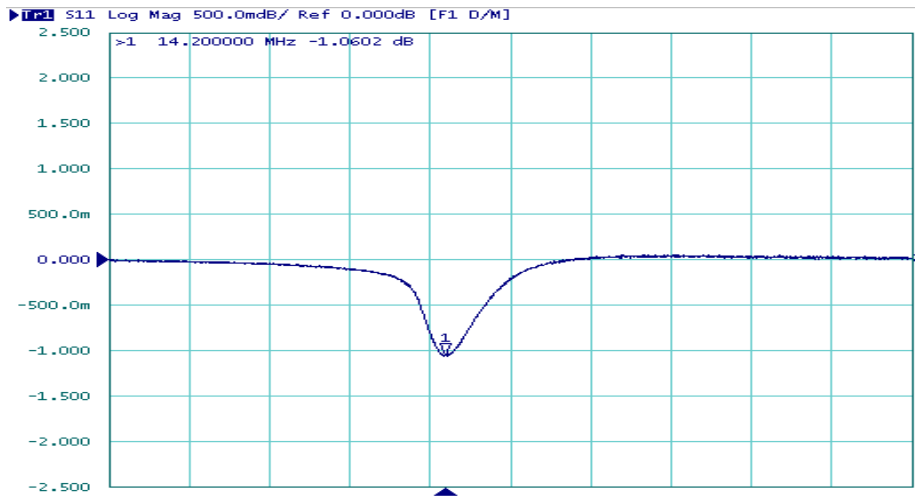
PART NUMBERING GUIDE	
<p><b>SUNTSU</b> → <b>S</b> <b>AT</b> <b>NF</b> - <b>25A20AH5</b> - <b>NF</b> <b>B1</b></p> <p><b>ANTENNA</b> → <b>AT</b></p> <p><b>NEAR FIELD</b> → <b>NF</b></p>	<p><b>FREQUENCY BAND (MHz)</b> B1: 13.56MHz</p> <p><b>APPLICATION</b> NF: NFC</p> <p><b>* PACKAGE SIZE</b> 25A20AH5: 25.0mm x 20.0mm x 0.75mm</p>
<p>* 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.</p>	

ELECTRICAL PARAMETERS	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz		14.2		
Impedance	Ω		50		
Q-Factor			60		
Operating Temperature	°C	-40		85	

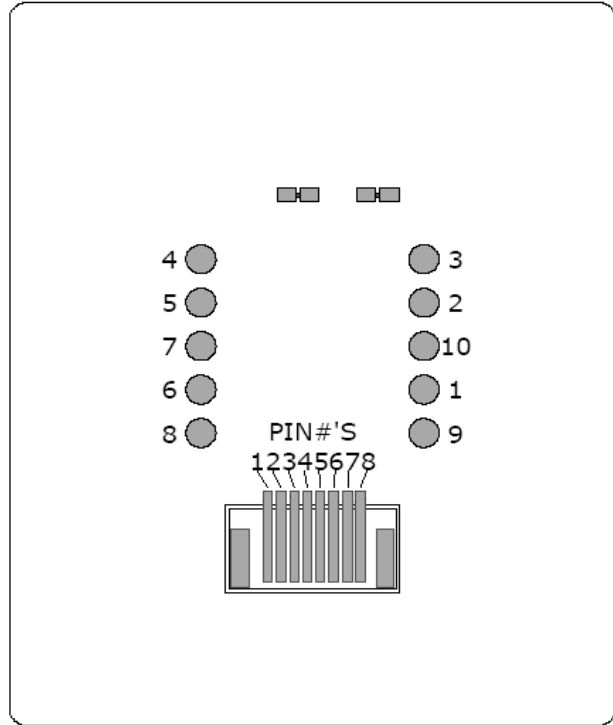


### ELECTRICAL TEST

#### Return Loss



### Pin Assignments



Pin Number	Pin Name	Pin Type	Description
P1	VSS	Supply Pad	Ground, die substrate potential
P2	/SS	Digital Input	Serial Peripheral Interface enable (active low)
P3	SCLK		Serial Peripheral Interface clock
P4	MOSI		Serial Peripheral Interface data input
P5	MISO	Digital Output / Tristate	Serial Peripheral Interface data output
P6	IRQ	Digital Output	Interrupt request output (active low)
P7	VP_SPI	Supply Pad	Positive supply of SPI interface
P8	VP_REG	Analog Output	Regulator output