

Features

- NFC Antenna (Near Field Communications)
- Stable And Reliable Performance
- 13.56MHz
- Halogen-Free
- RoHS compliance

Applications

- Hand Held Devices with NFC Or RFID Functions
- Data Transfer
- Machine-To-Machine Communication (Short Distance)



Part Numbering Guide

S AT NF 25A16A1D NF B1

SUNTSU

ANTENNA

NEAR FIELD

PACKAGE SIZE*

APPLICATION

FREQUENCY

25A16A1D = 25.0mm x 16.0mm x 1.3mm

NF = NFC

B1 = 13.56MHz

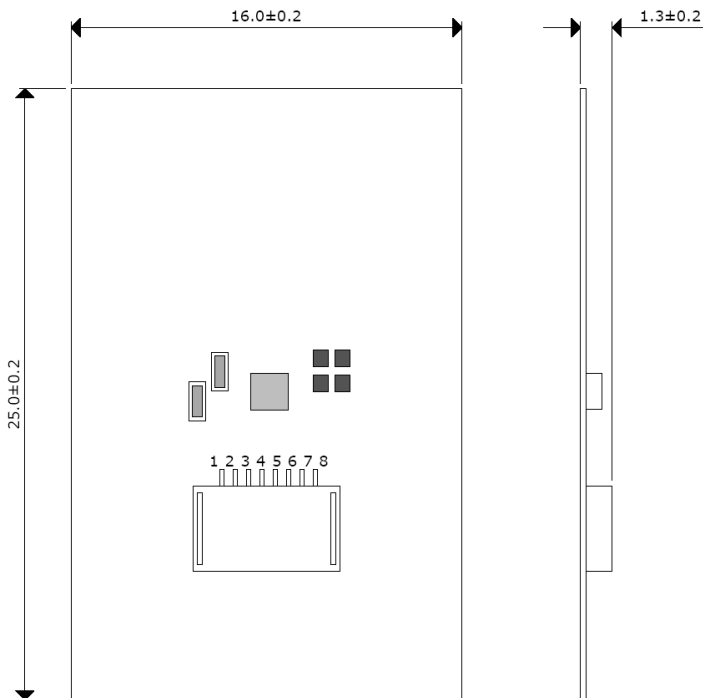


* Where letters denote decimal location (A=0, B=1, C=2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		13.56		
Impedance	Ω		50		
Q-Factor			30		
Operating Temperature	$^{\circ}\text{C}$	-40		85	

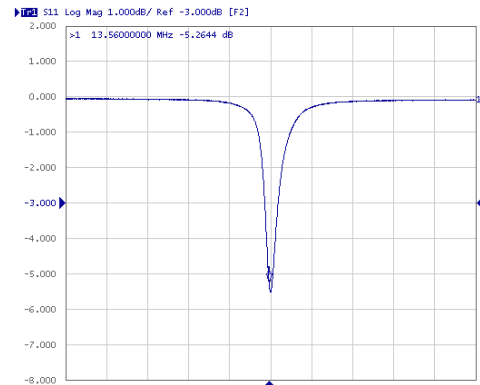
Outline Drawing

All dimensions are in millimeters (mm) unless otherwise noted.
 Drawings are not to scale.

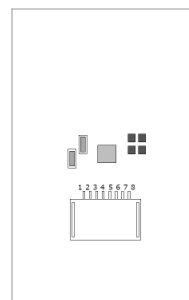


Electrical Test

Return Loss



PIN Assignments



PIN #	Symbol	Description
1	GND	Ground
2	GND	Ground
3	SCL	I ² C Interface for Tag
4	FD	RF Field Detect Connection
5	SDA	I ² C Interface for Tag
6	Vcc	Supply Voltage
7	Vcc	Supply Voltage
8	Vout	Output Voltage