

### 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 35A25AG5 NF B1**

SUNTSU      ANTENNA      NEAR FIELD      PACKAGE SIZE\*      APPLICATION      FREQUENCY

35A25AG5 = 35.0mm x 25.0mm x 0.65mm      NF = NFC      B1 = 13.56MHz

**RoHS COMPLIANT**

\* 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	$\Omega$		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.

25.0±0.2

35.0±0.2

0.65±0.2

GND      FD

### Electrical Test

Return Loss

► S11 Log Mag 1.000 dB/ Ref -3.000 dB [F2 D/M]

>1 13.560000 MHz -5.3717 dB

### PIN Assignments

PIN #	Symbol	Description
1	GND	Ground
2	FD	RF Field Detect Connection