

SPECIFICATION

Part No. : TCA13NF

Product Name : Flexible Near-Field Communications
Antenna

Features : 13.56 MHz Antenna
Flexible Low Profile Embedded

Dimensions:

- Dimension : 51*46 mm
- Thickness: 0.14-0.45 mm

Peel and stick 3M adhesive on back

Typical interrogation distance: 50-110mm

RoHS Compliant



1. Introduction



Antenna

The TCA13NF is a flexible, NFC (Near Field Communications) antenna for use in mobile devices and other applications. The design provides a flexible NFC antenna that can be adhered to the plastic enclosure of the device for ease of installation.

With NFC antennas being commonly attached to the battery of mobile devices, they can be customized with a ferrite flux director to provide isolation from the battery or other components within the device. Using the antenna on a conductive surface without a ferrite layer will result in extremely short range or complete failure to communicate.

Specifications

Flexible FPC Near-Field Communications Antenna

Frequency	13.56MHz
Inductance (La)	2.4uH

Mechanical

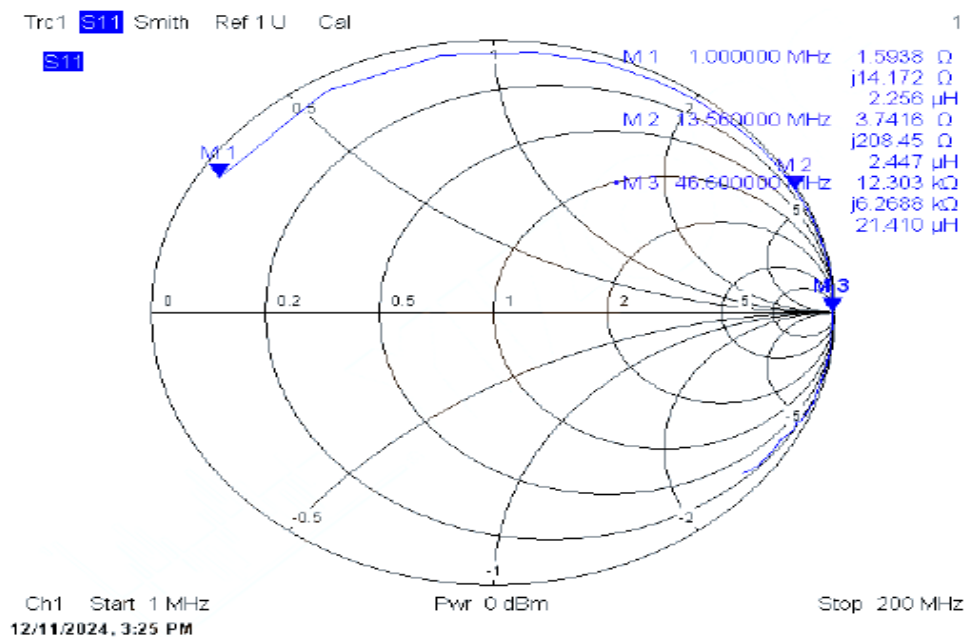
Antenna Dimensions	51*46mm
Thickness	0.14
RoHS Compliant	Yes
Adhesive	3M 467
Cabel	n/a
Connector	n/a
Weight	1g

Environmental

Operation Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Humidity	Non-condensing 65°C 95% RH

2. ANTENNA PARAMETERS

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3. MECHANICAL DRAWING

