

SPECIFICATION

Part No. : **NF.0120.00**

Manufacture's name: Shenzhen Hopeway Technology Co., Ltd
Address: Room 205, Building 1, No. 95 Renmin Road, Fumin Community, Fucheng Subdistrict, Longhua District, Shenzhen

Product Name : Flexible Near-Field Communications
Antenna

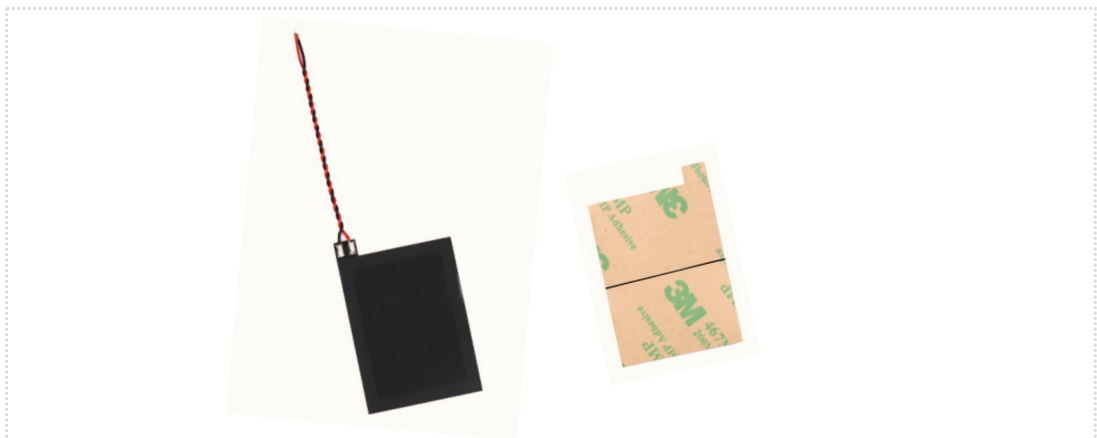
Features : 13.56 MHz Antenna
Flexible Low Profile Embedded
Dimensions:

Antenna Gain: -1.0dBi

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

Peel and stick 3M adhesive on back
Typical interrogation distance: 50 mm

RoHS Compliant



1. Introduction

The NF.0120.00 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.

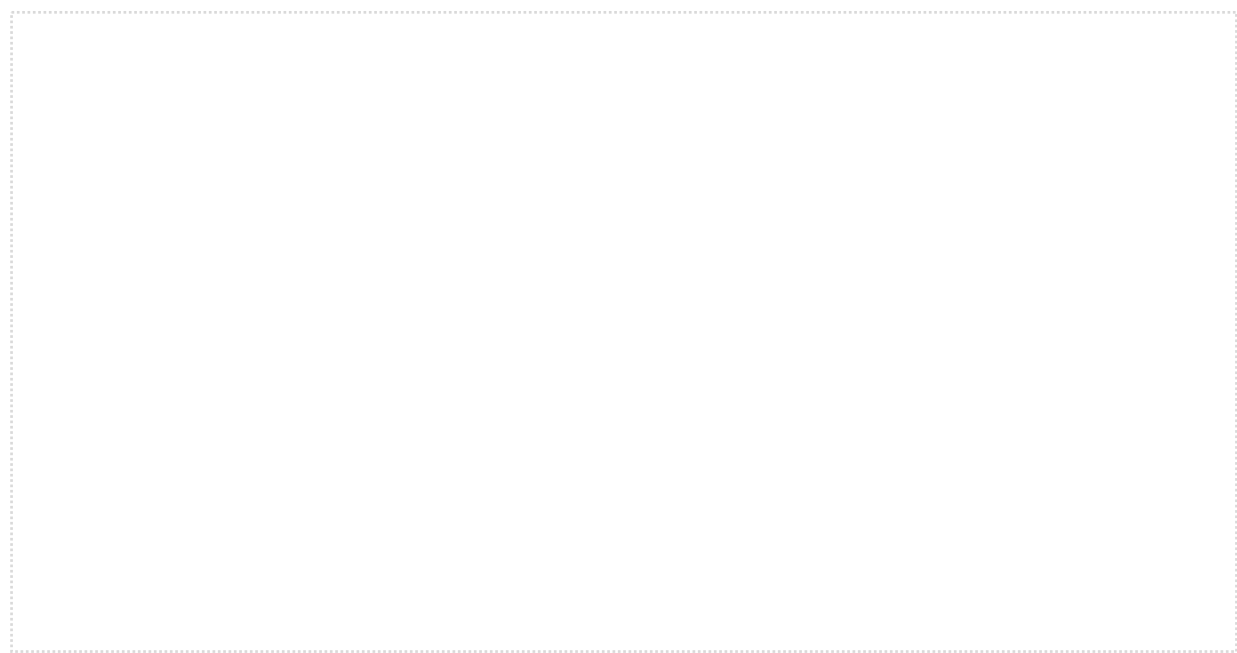
With NFC antennas being commonly attached to the battery of mobile devices, they can be customized with a ferrite flux director to provide isolation from the battery or other components within the device. Using the antenna on a conductive surface without a ferrite layer will result in extremely short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

2. Specifications

Flexible FPC Near-Field Communications Antenna		
Frequency	13.56	MHz
Inductance @ 13.56 MHz	4.0	uH

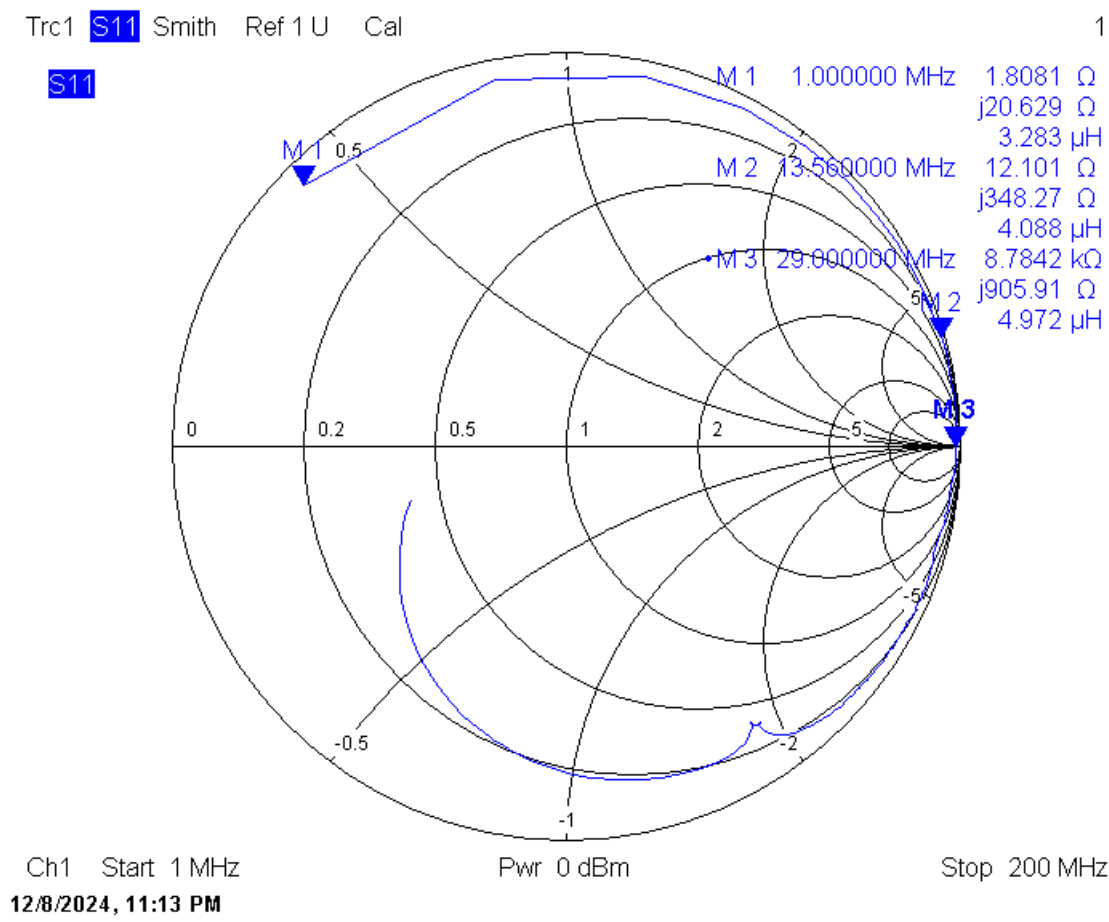
Mechanical	
Antenna Dimensions	51*46*0.45 mm
RoHS Compliant	Yes
Adhesive	3M 467
Weight	Depends on connector specification

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

2.1 S Parameter



3. MECHANICAL DRAWING

