

## RFID Codie (NFC) antenna Specification

The Loops PCB Near field Communication (NFC) antenna is embedded into the RFID Codie PCB board. it's designed to read SiX213\_25mm tags at a distance of about 10 mm.

## Electrical Specifications

Frequency	13. 56Mhz
Impedance [ $\Omega$ ]	50
Inductance [ $\mu$ H ]	0. 5UH\0. 7UH. 0. 7UH\0. 7UH\0. 7UH
Resistance [ $\Omega$ ]	0. 08\0. 14\0. 18\0. 2\0. 23
Q-Factor	0. 044\0. 032\0. 026\0. 023\0. 022

## Mechanical Specifications

Size [mm]	16*16mm\20*20mm\21.9*20mm\20*20mm\22*20mm
Coil Laps	4-5
Coil Gap [mm]	1
Wire Width [mm]	1
Operational Temperature [c]	-40 to 80
Connector Type	N/A(integrated)
Antenna Type	Loop Antenna

Drawing:

