

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[Ω]	50
Inductance [μ H]	0.5UH\0.7UH. 0.7UH\0.7UH\0.7UH
Resistance [Ω]	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:

