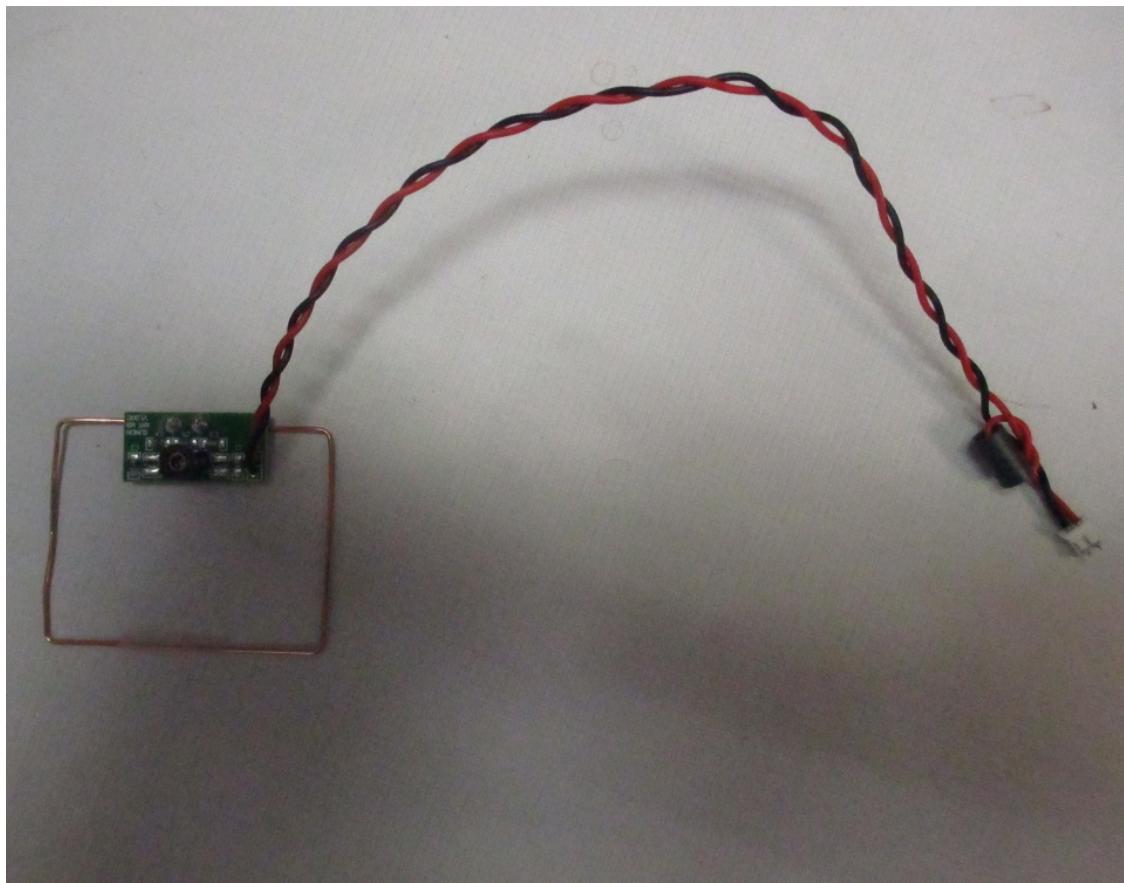




聯陽電子股份有限公司
Sunion Electronics Corp. 台北縣 241 三重市興德路 123-7 號 11 樓
TEL: (02) 8512-1456 FAX: 8512-1457

RF-331 HF RFID Antenna Info

1. The antenna is work for ISM band in 13.56Mz frequency. It must work with the device RF-331 RFID module. Its output power and working frequency are complied with licensing regulation FCC Part 15 section 15.225.
2. The antenna is made by Sunion Electronic Corp., it is a 50 OHM loop type antenna, there is no antenna gain definition here, due to this antenna is only working on the near field inductive coupling system in accordance with ISO 15693.
3. The physical photo and drawing are shown as below:



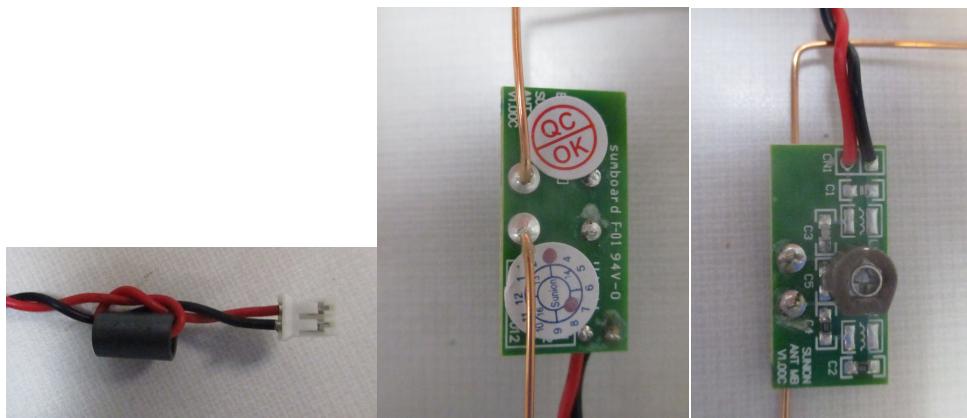


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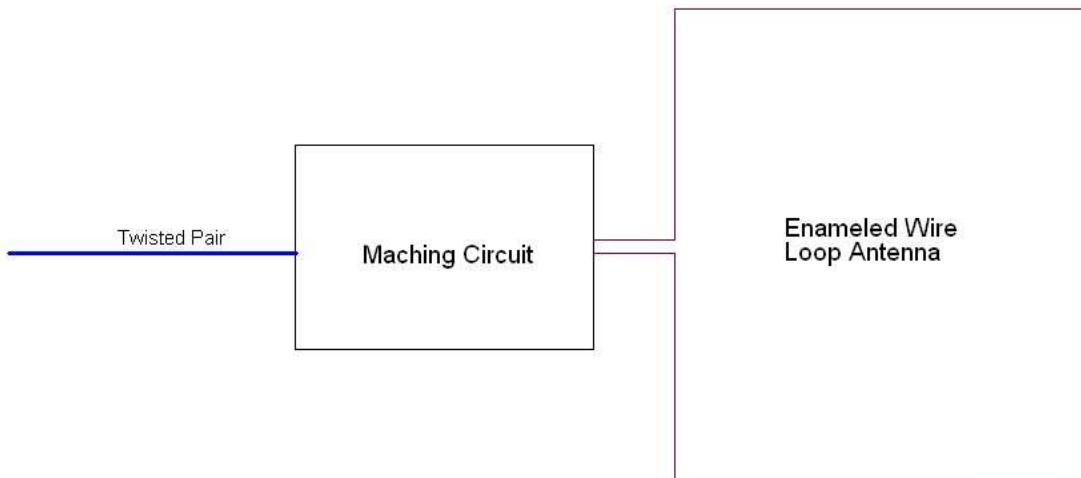
Sunion Electronics Corp.

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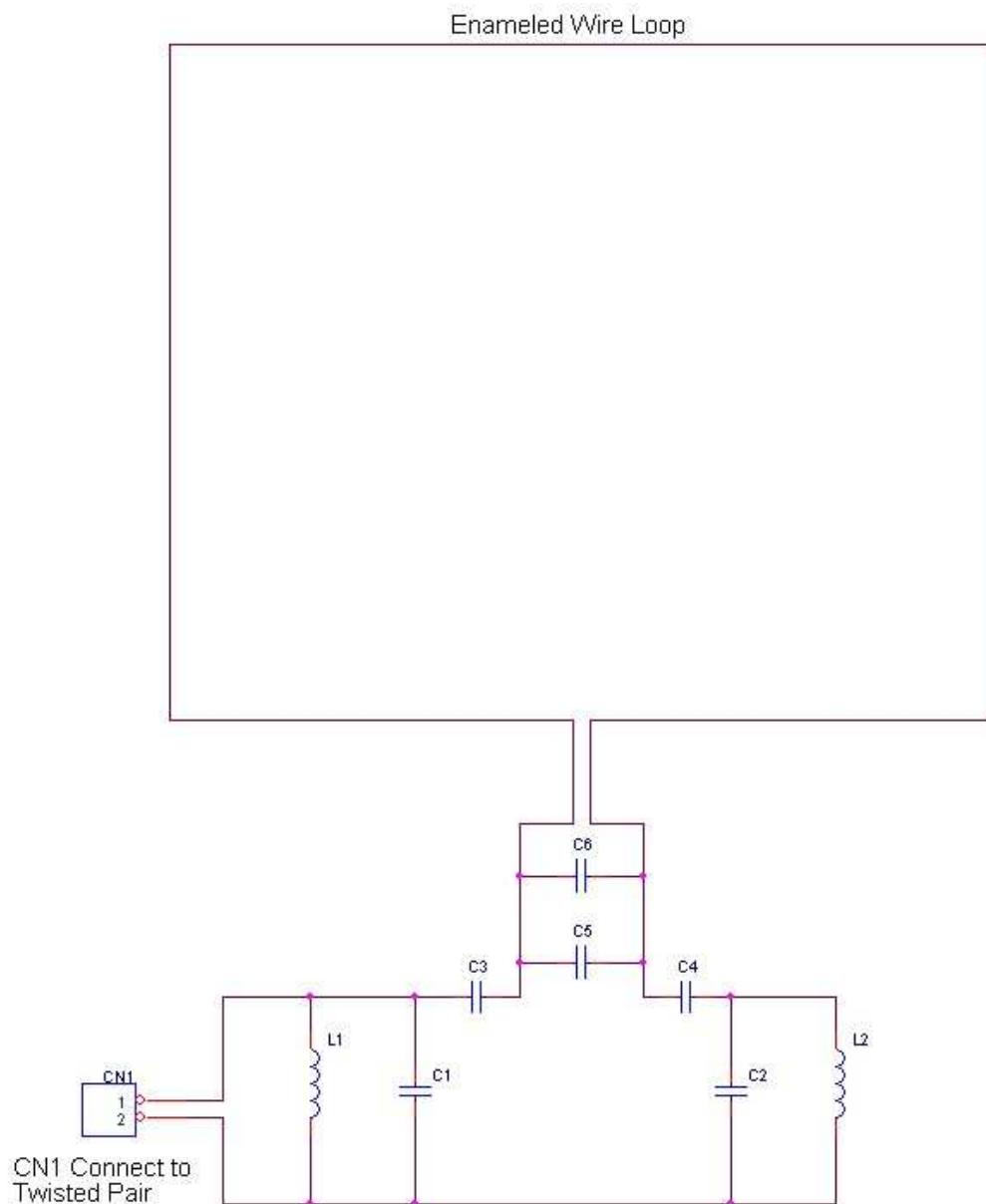
4. Block Diagram





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4. Circuit Schematic:



This antenna is a single-loop transmit/receive antenna with pre-set matching electronics for a transmitter frequency of 13.56MHz and impedance of 50Ω.

5. Spec:

Antenna type: Low Frequency Loop Antenna

Working Frequency: 13.56MHz (ISM Band)

Impedance: 50Ω

Connector: 2.0 pitch male of Molex type for RF-331

Cable: Twisted pair with EMI coil



聯陽電子股份有限公司

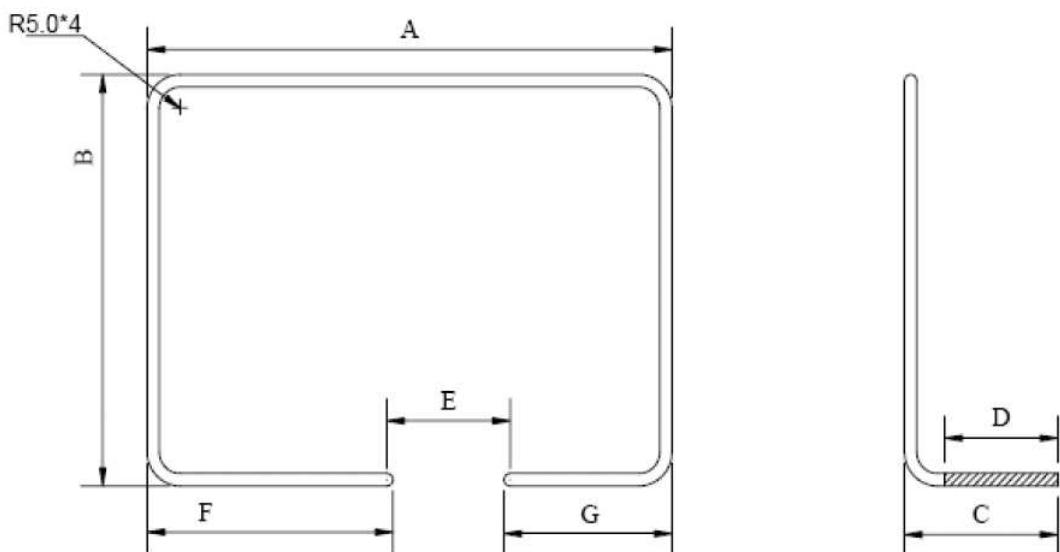
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● Dimension shown for ANT

1. PHYSICAL DIMENSION (UNIT: mm)



2. SCHEMATIC:

NOTE: DIP

A: 50 ± 1.5 B: 39.8 ± 1.5

C: 4.2 ± 1.6 D: 3.3 REF

E: 4.5 REF G: 22.8 ± 1.7

F: 22.8 ± 1.5

Readout Pattern

- Tag orientation 1
- Tag orientation 2

