ACM1281S-C7 Antenna Description

- A conductor loop is used as inductive antenna to generate a magnetic alternating field in reader devices.
- The antenna is connected to a contactless transceiver chip via a matching network as shown in Figure 1.
- The conductor loop is a built in PCB coil as shown in Figure 2.

| Model: | ACM1281S-C7 | | |
|------------------------|---------------------------------------|---------------------------|---------------------------|
| Transmitter Frequency: | $13.56 \text{ MHz} \pm 7 \text{ kHz}$ | | |
| Receiver Frequency: | 13.56 MHz ± 7 kHz | | |
| Type of Modulation: | ASK, BPSK | | |
| Antenna information: | Antenna | Model(s)/Type(s) | |
| | Name | | |
| | RF Antenna Assembly | Model/Part Number: | ACM1281S-C7 |
| | | Manufacturer: | ACS |
| | | Frequency Range: | 13.56 MHz ± 7 kHz |
| | | Connector Type | built-in |
| | | Antenna Type/ Pattern: | inductive antenna |
| | | Measurement: | 63.4 mm x 54.5 mm x 1.0mm |

Table 1

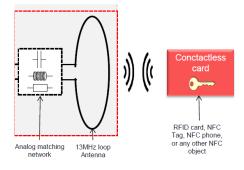


Figure 1

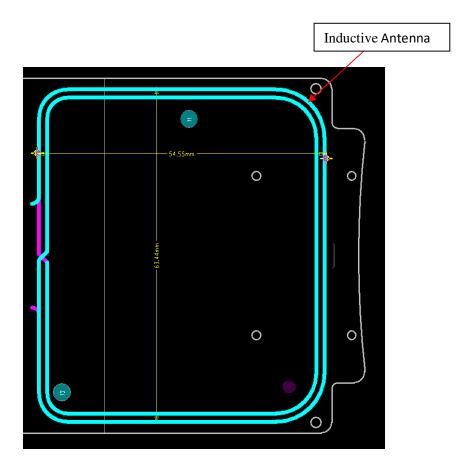


Figure 2