

## OnboardNFCAntenna Specifications

### I. Electrical Specifications

#### 1.1Main parameters

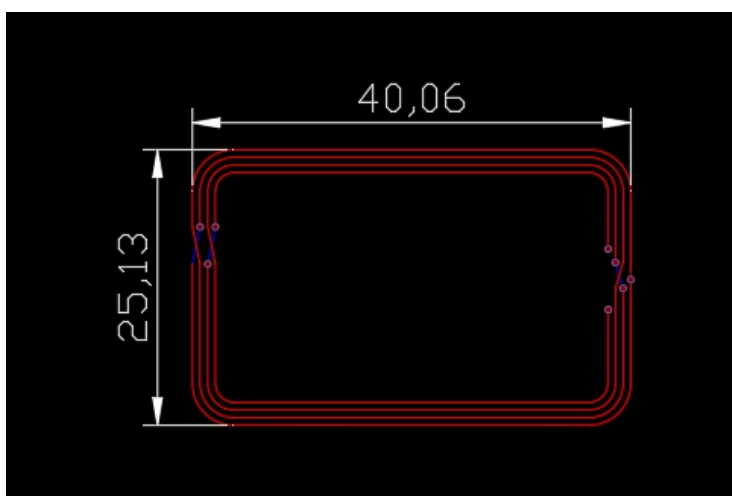
| parameter           | Typical value | unit          |
|---------------------|---------------|---------------|
| Operating frequency | 13.56         | MHz           |
| DC resistance       | <2            | $\Omega$      |
| inductance          | 1.8           | $\mu\text{H}$ |
| Qvalue              | 30            |               |

#### 1.2Test Conditions Description

The above electrical parameters are based on tests conducted on a reference design evaluation board. Antenna performance is affected by...PCBThe layout, ground plane dimensions, casing and surrounding components are subject to actual measurement of the whole machine.

### III. Mechanical Specifications

#### 2.1Antenna size diagram



#### 2.2Dimensions

Overall length of antenna    40 mm     $\pm 0.1$  mm  
Overall antenna width        25.1mm     $\pm 0.1$  mm  
Copper foil thickness1 oz (35  $\mu\text{m}$ ) -