

## RFID-ANT1356-80x80-xxx v1 Datasheet

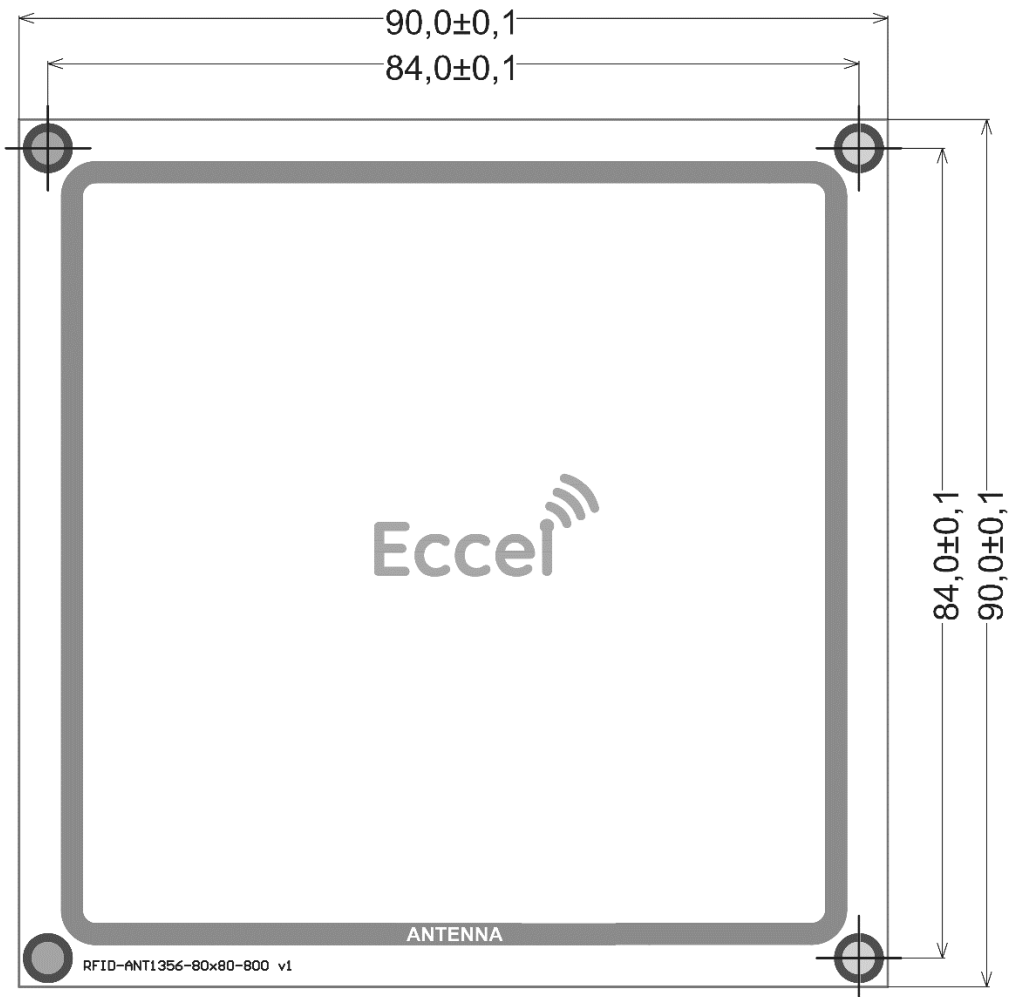
v1.1

25/03/2021



## Standard specifications

Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
Operating frequency [MHz]	13.56
PCB dimensions: width x length x thickness [mm]	90 x 90 x 1
Coil antenna dimensions: width x length [mm]	80 x 80
Cable length XXX [mm]	800 or 300



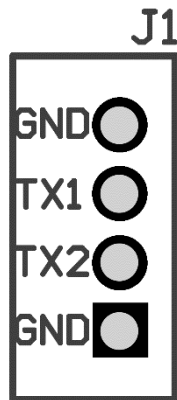
Hole size x4  
 $\varnothing$  3.4 mm  
 Outer diameter  
 $\varnothing$  5.0 mm

## Performance

Test conditions: Tested with ECCEL Technology RFID B1-1,  $V_{cc} = 3.3\text{ V}$ ,  $T_{amb} = 25^{\circ}\text{C}$ .

Read range with all types of tags is up to **110 mm**. It depends on the tag size and tag manufacturer. The tests were performed using MIFARE Classic® ISO cards, MIFARE Ultralight® ISO cards and NTAG2xx® ISO cards.

## Pinout



TX1 – Antenna TX1  
TX2 – Antenna TX2  
GND – Ground

PCB antenna products can be customized as per application requirements. Parameters such as the dimensions or shape of the coil or its inductance can be altered. Antennas are provided with 2-conductor shielded cable, in lengths of 300 mm or 800mm, and terminated with a 4-pin connector JST PHR-4(RS Stock No. [820-1478](#)). We also ship a suitable 4-way socket JST B4B-PH-K-S(LF)(SN) (RS Stock No. [820-1434](#)) with each of our antennas to give users an “out of the box” complete bill of materials.

MIFARE, MIFARE Ultralight, MIFARE Classic are trademarks of NXP B.V.

**No responsibility is taken for the method of integration or final use of the antenna**

More information about the antenna and other products can be found at the Internet site:

**<http://www.eccel.co.uk>**

or alternatively contact ECCEL Technology (IB Technology) by e-mail at:

**[sales@eccel.co.uk](mailto:sales@eccel.co.uk)**