

# RFID-ANT1356-80x80-xxx Datasheet

v1.2<sup>1</sup>

30/09/2025

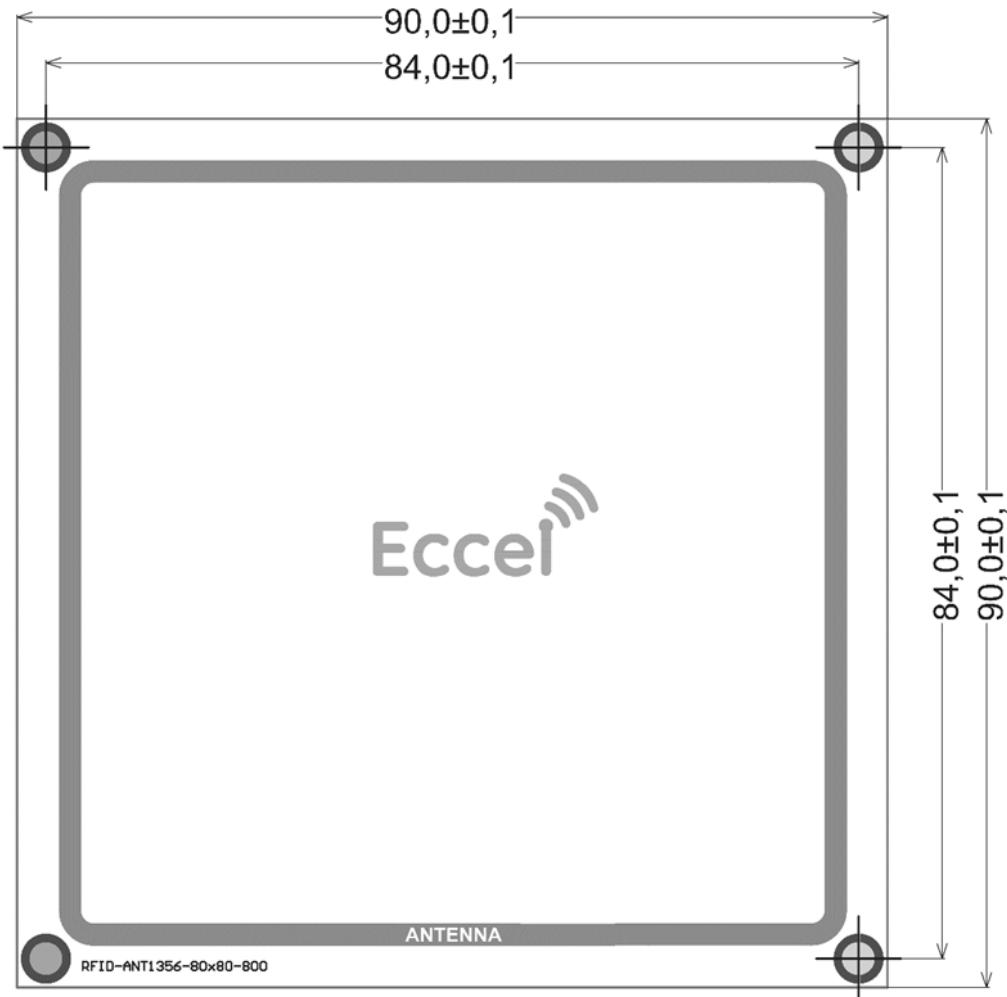


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<sup>1</sup> The newest Datasheet can be found on our website: <https://eccel.co.uk/wp-content/downloads/RFID-ANT1356-80x80-xxx.pdf>

## 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 <i>contact us for other lengths</i>



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

## Performance

Test conditions: tested with the Pepper C1 EA USB,  $T_{amb} = 25^{\circ}\text{C}$ .

	Read range [mm]
MIFARE Classic 1k ISO size card	80
MIFARE Ultralight ISO size card	75
ICODE SLIX ISO size card	110

Read range depends on the tag size and manufacturer. The bigger the tag, the bigger the read range.

PCB antenna products can be customized as per application requirements. Parameters such as the dimensions or shape of the coil, its inductance or cable length 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.

**Note:** Should you experience any difficulties integrating our readers into your device, please contact us at [technical@eccel.co.uk](mailto:technical@eccel.co.uk). Our team can provide integration support and, where required, adapt the software and/or hardware to meet specific customer requirements. We specialize in developing custom solutions.

Further information is available at: <https://eccel.co.uk/custom-design/>

MIFARE, MIFARE Ultralight, MIFARE Classic, ICODE 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 by e-mail at:

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