

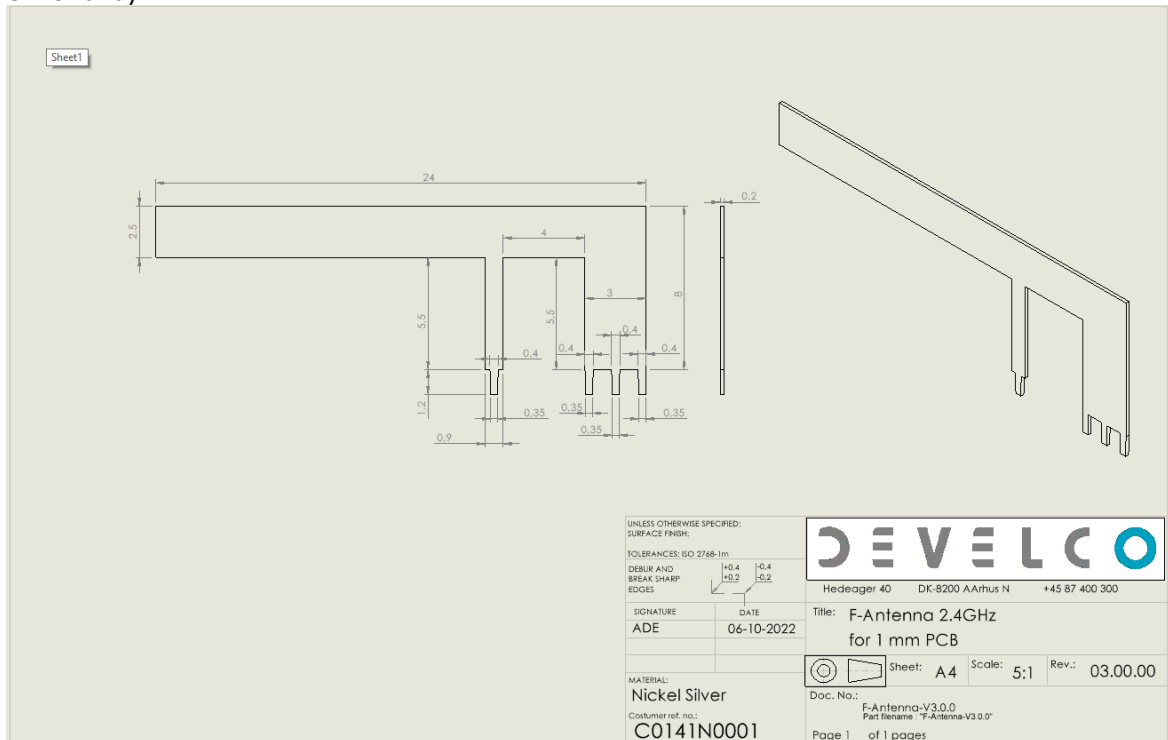
<b>Title:</b>	<b>2.4 GHz Antenna C0141N0001</b>	<b>Project:</b>	<b>S400950</b>	<b>Page:</b>	<b>1 of 1</b>
<b>Placement:</b>	<b>Datasheet</b>	<b>Date:</b>	<b>2023.03.14</b>	<b>Version:</b>	<b>3.0.0</b>
<b>File name:</b>	<b>Datasheet for C0141N001</b>	<b>Author:</b>	<b>ERE</b>	<b>Replaces:</b>	<b>2.0.0</b>
<b>Doc. No:</b>	<b>N/A</b>				

## 2.4 GHz Antenna

Part No.: C0141N0001

Manufacturer: Develco A/S, Hedeager 40, 8200 Aarhus, Denmark.

Both units, DoorSensor and Transceiver use the same inverted F antenna, made of 0.2mm Nickel-Silver alloy.

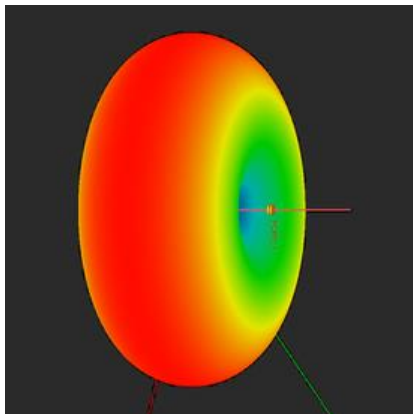


The theoretical antenna gain is max. 2.14dBi at centre frequency 2.44GHz.

Gain @2.4GHz. better than 1.65dBi

Gain @2.48 GHz: better than 1.69dBi

Radiation is doughnut shaped like a dipole antenna when used on a large groundplane (more than 15cmx15cm).



Impedance: 50 Ohm.

NOTE: Antenna must be matched to the actual transmitter/receiver and actual PCB size.