

Elektroniske enheter og kretser


Lab 01

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0. Introduction

This is the first report in this course, detailing the completion of the first lab exercise.

Note: As always, the \LaTeX file and all other assets, such as text, images, graphs and code made by me for this project is open source with the MIT licence, see [my GitHub](#) 

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1. Part 1 - Diode test

This Part is about testing a diode characteristics with a multimeter. This means it is inherently not perfect, but it will function as a reference measurement.

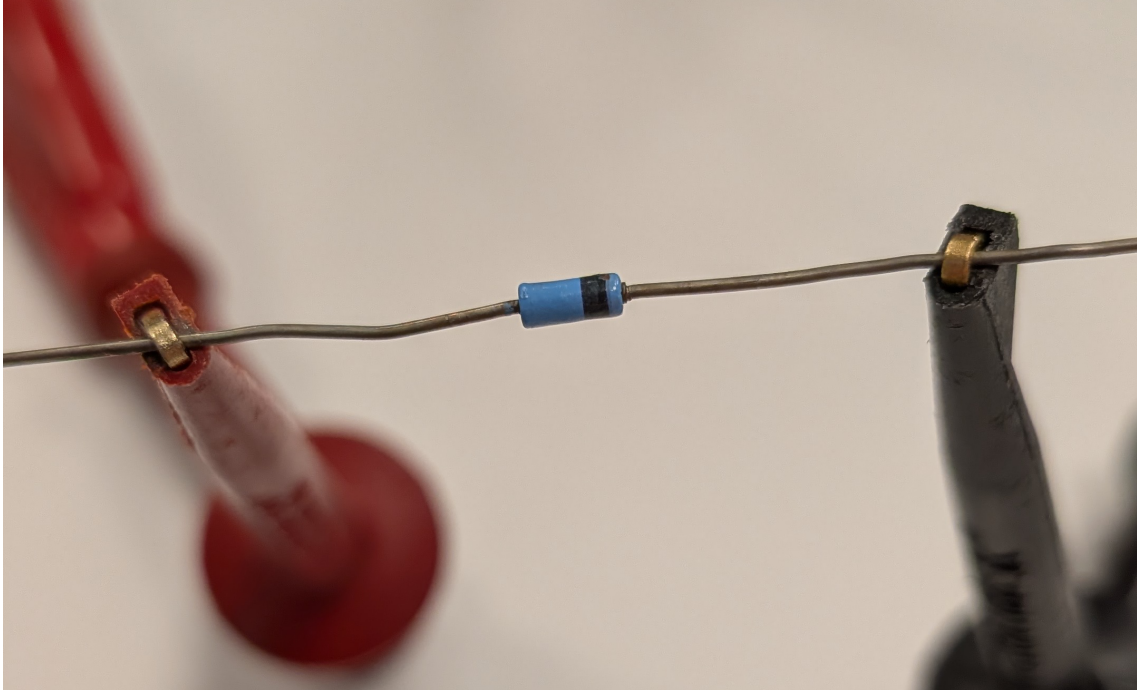


Figure 1.0: Diode being measured

Table 1.0: Diode measurements

Voltage forward	0.593 V	Resistance forward	225400 Ω
Voltage reverse	0L	Resistance reverse	0L

2. Part 2 - Forward-bias characteristics

This Part is about testing the diode characteristics for forward-bias. The values was stored in a table (RAW data like this is found on the [GitHub](#)) and then a plot was made to compare the current through the diode I_D with the voltage drop over the diode V_D .