

# Lab 1 Report

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We are building a simple rectifier circuit with a constant supply voltage of 10 V and a 1 k $\Omega$  resistor.

## 1 Calculation

### 1.1 Ideal Model

We can use Ohm's Law to show the ideal model. This is  $V = iR$ .

### 1.2 Constant Drop Model

### 1.3 Exponential Model

## 2 Computer Calculation

## 3 Simulation