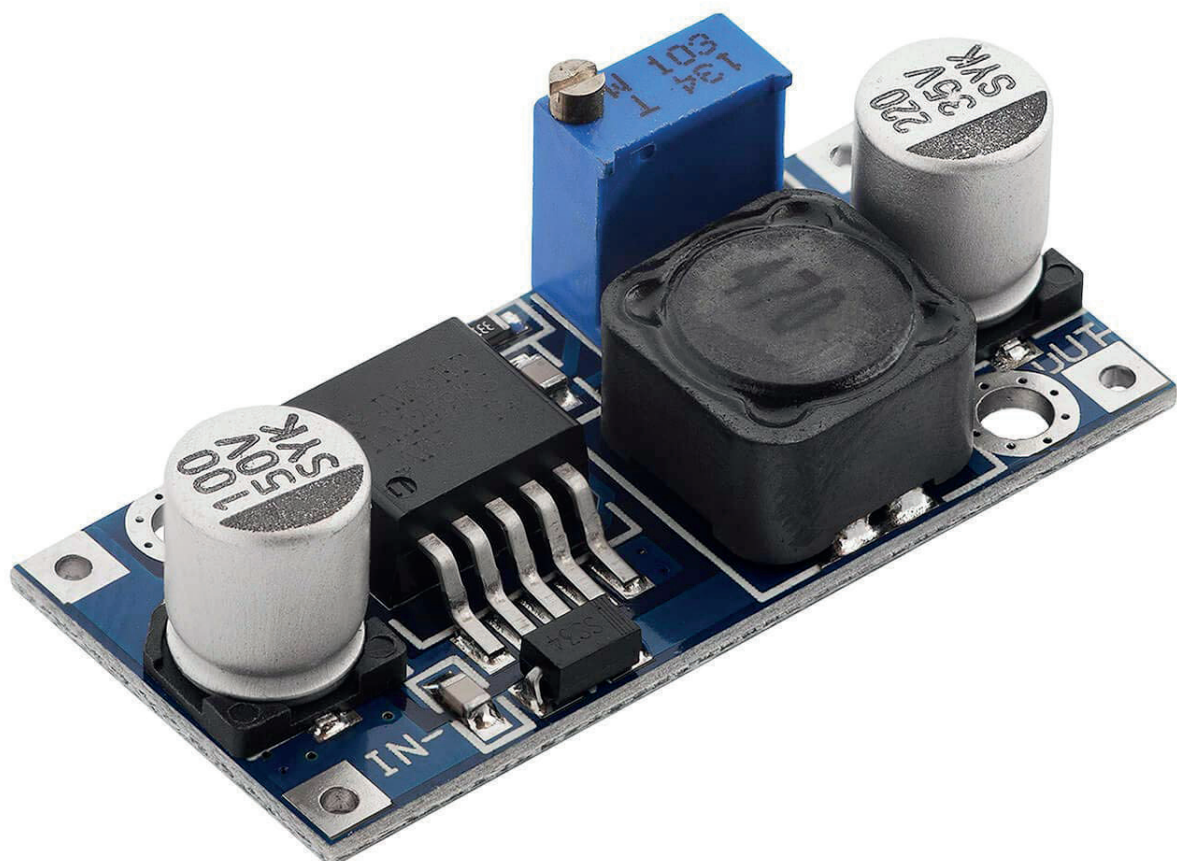


LM2596S DC-DC Step down Modul Datenblatt



Content:

- [1. Specifications](#)
- [2. Pinout](#)
- [3. Schematic](#)
- [4. Connection Diagram](#)

1. Specifications

Operating Input Voltage	4.5V to 40VDC
Operating Output Voltage	1.2V to 35V (adjustable)
Output Current	2A (Constant load)
Switching Frequency	150kHz
Low Power Standby Mode	80μ
Load regulation	0.5%
Voltage regulation	2.5%
Storage Temperature range	-65 °C to +150 °C
Dimensions	45mm x 20mm x 15mm [1.8in x 0.8in x 0.6in]

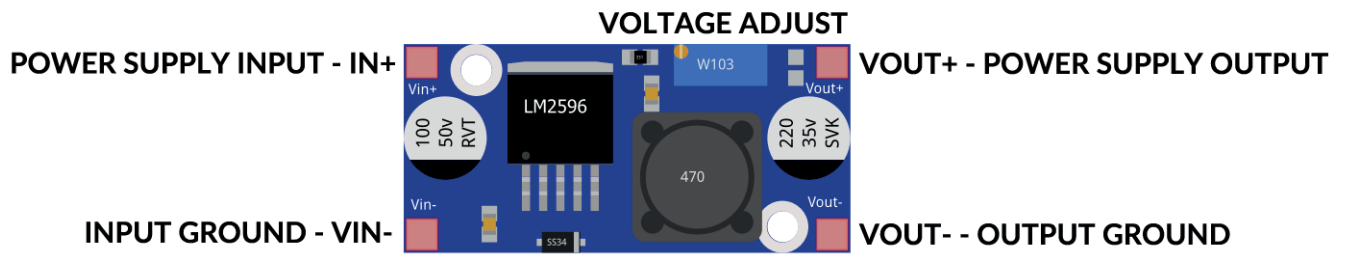
The LM2576 device has current limiting to prevent the switch current from exceeding safe values during an accidental overload on the output.

It also has a thermal protection and current limit protection built inside the chip. For further information, please refer to the datasheet.

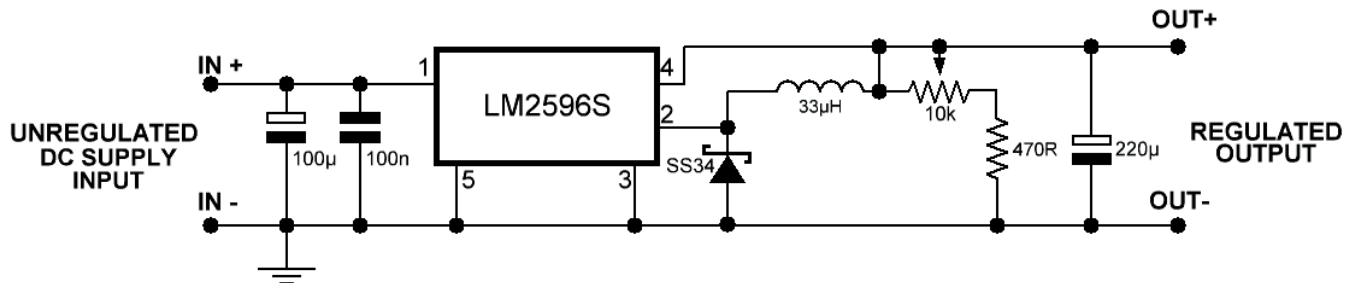
The current peak under the constant load should not exceed 2A because it may put the regulator under more stress and even damage the regulator.

Warning: When connecting the converter module, the input and output must not be reversed, otherwise the module will burn out!

2. Pinout

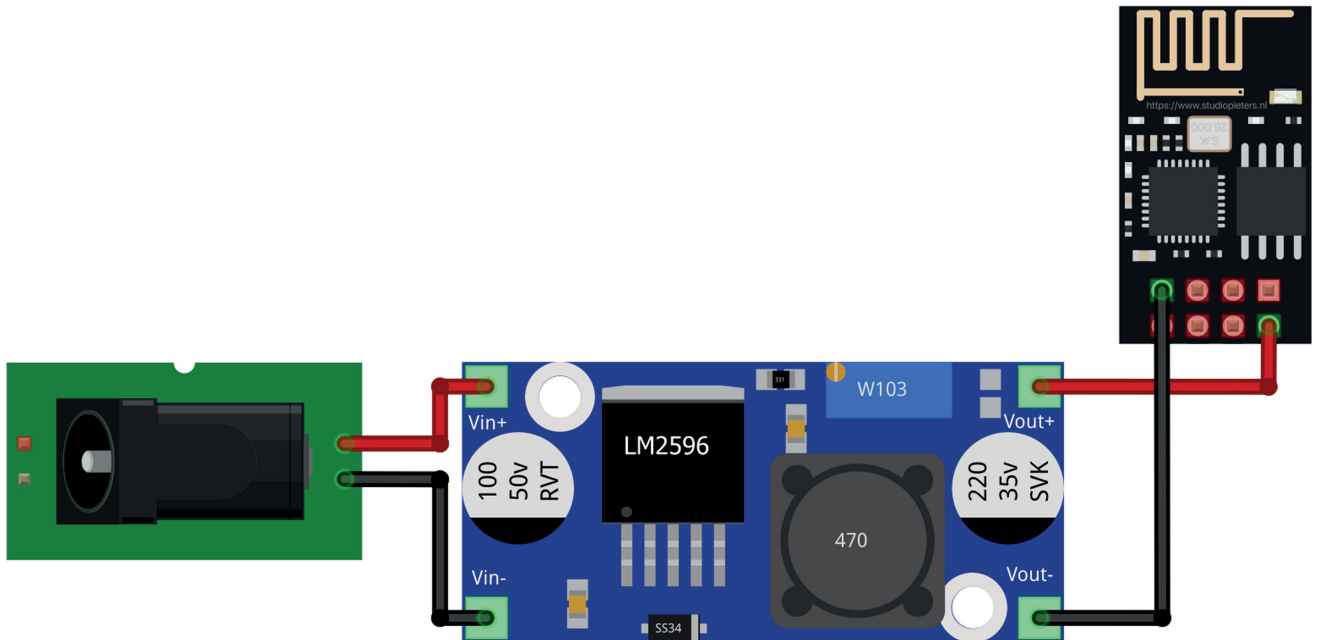


3. Schematic



The LM2576 regulator is designed to minimize the number of external components. The module is built from a LM2576 voltage regulator, and a few passive parts. It contains two electrolytic capacitors, two tantalum capacitors, one resistor, inductor coil, high-speed switching (Schottky) diode and a precision potentiometer for adjusting the output voltage.

4. Connection Diagram





For top quality microelectronics, we are your go to. We provide an array of application examples, full installation guides, eBooks, libraries, and all-round assistance. AZ-Delivery, your microelectronics expert!