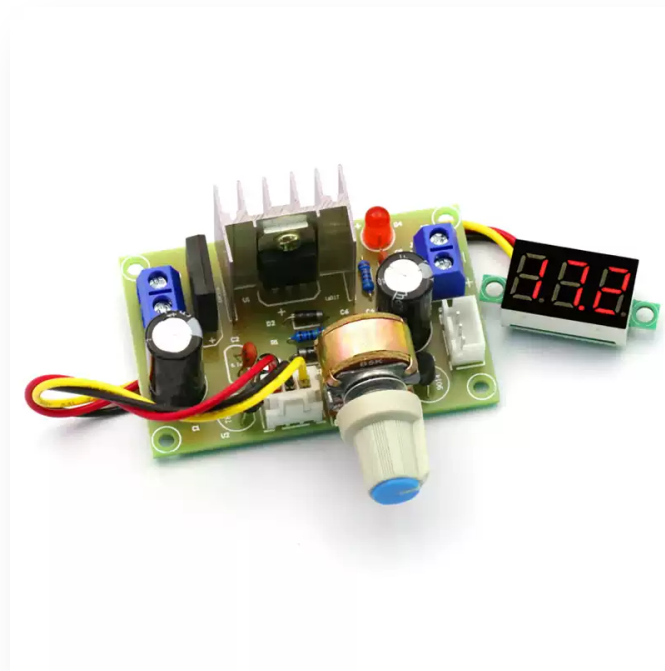


LM317 Adjustable DC Voltage Regulator Module

Linear step-down supply and speed-control board with digital voltmeter



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Regulator	LM317 adjustable linear regulator
Function	DC step-down voltage regulation
Output	Adjustable regulated DC voltage
Adjustment	Panel potentiometer
Display	Digital output-voltage display
Connections	Input and output screw terminals
Cooling	Integrated heatsink

Key Features

- LM317 linear regulation
- Adjustable DC output
- Digital voltage display
- Panel-mounted control knob

Operating Notes

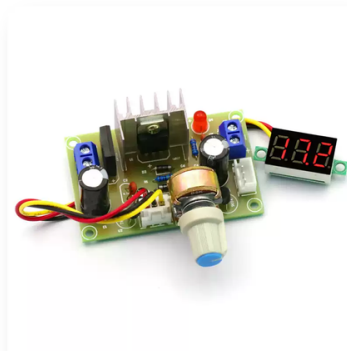
- This is a linear step-down regulator and cannot increase voltage.
- Power dissipation rises with input-to-output voltage difference and load current.
- The saved page does not expose a reliable complete voltage/current range.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

Within regulator limits



DC MOTOR / LOAD

Adjusted lower voltage

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



1

LM317 linear regulation

2

Adjustable DC output

3

Digital voltage display

4

Panel-mounted control knob