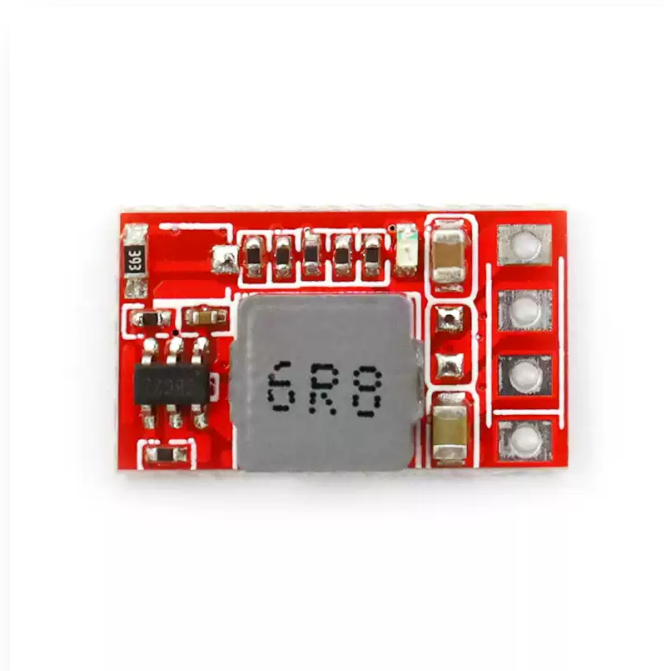


1.3 A Miniature DC-DC Buck Regulator Module

Compact fixed-output step-down board for 12 V / 24 V systems



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
Conversion type	Non-isolated DC-DC buck converter
Source-system classes	12 V and 24 V DC systems
Available output variants	3.3 V, 5 V or 9 V fixed output
Maximum output-current class	1.3 A
Enable input	EN pad provided
Board dimensions	Approximately 18 × 10 mm

Key Features

- Very compact 18 × 10 mm footprint
- Up to 1.3 A output class
- 3.3 V / 5 V / 9 V variants
- Enable-control input

Operating Notes

- Select the required fixed-output variant before installation.
- Input voltage must remain above the selected output with adequate conversion margin.
- Maximum current depends on airflow, PCB copper and ambient temperature.

Application and Connection Guide

APPLICATION & CONNECTION

12 / 24 V DC INPUT

Higher DC voltage



EMBEDDED LOAD

3.3 / 5 / 9 V

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 Very compact 18 × 10 mm footprint

2 Up to 1.3 A output class

3 3.3 V / 5 V / 9 V variants

4 Enable-control input