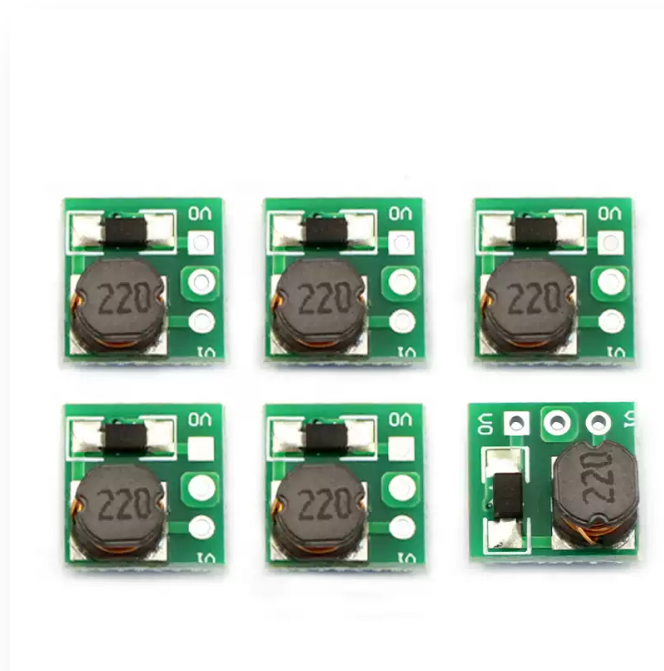


Miniature 3.3 V / 5 V Boost Converter Module

Low-voltage DC-DC step-up regulator in a 10.5 mm square footprint



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 boost converter
Output variants	3.3 V or 5 V fixed
3.3 V variant input	0.8-3.3 VDC
5 V variant input	0.8-5 VDC
Maximum output current	500 mA, operating-point dependent
Startup voltage	Approximately 0.8 V
Switching frequency	150 kHz
Typical efficiency	Approximately 85%
Pin spacing	2.54 mm
Board dimensions	Approximately 10.5 x 10.5 mm

Key Features

- Starts from approximately 0.8 V
- Fixed 3.3 V / 5 V versions
- Tiny 10.5 mm square board
- Up to 500 mA class output

Operating Notes

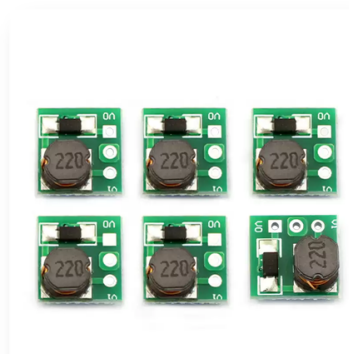
- Select the correct fixed-output version before use.
- Do not apply an input above the selected output rating.
- Output current decreases at very low input voltage; input power must exceed output power.

Application and Connection Guide

APPLICATION & CONNECTION

LOW-VOLTAGE SOURCE

0.8 V and above



3.3 / 5 V LOAD

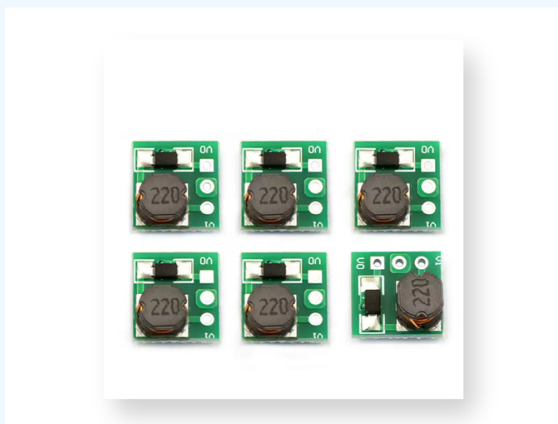
Fixed boosted output

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 Starts from approximately 0.8 V

2 Fixed 3.3 V / 5 V versions

3 Tiny 10.5 mm square board

4 Up to 500 mA class output