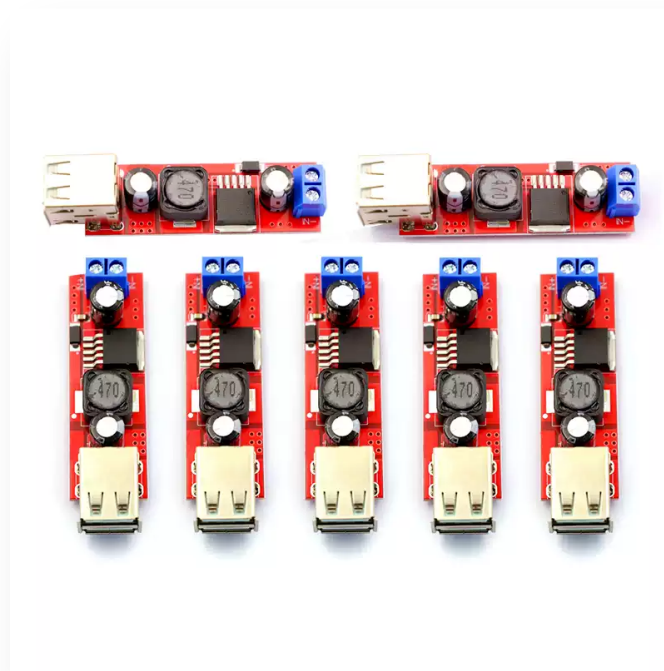


Dual-USB 5 V / 3 A DC-DC Buck Module

6-40 V input converter for vehicle and embedded USB power



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
Topology	Non-isolated DC-DC buck converter
Input voltage	6-40 VDC
Output voltage	5 VDC
Maximum output current	3 A total
Maximum efficiency	92%
Switching frequency	150 kHz
Operating temperature	-40 to +85 C
USB outputs	Two Type-A ports
Board dimensions	Approximately 57.5 x 18.5 mm

Key Features

- Wide 6-40 V input range
- Dual 5 V USB outputs
- 3 A maximum load capability
- Slim vehicle-ready PCB

Operating Notes

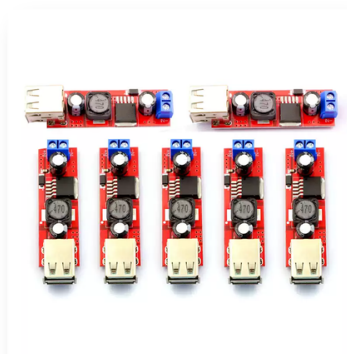
- The 3 A rating is shared between both USB outputs.
- Use an appropriately fused input.
- Validate cooling at maximum load.

Application and Connection Guide

APPLICATION & CONNECTION

VEHICLE DC INPUT

6-40 VDC



USB LOADS

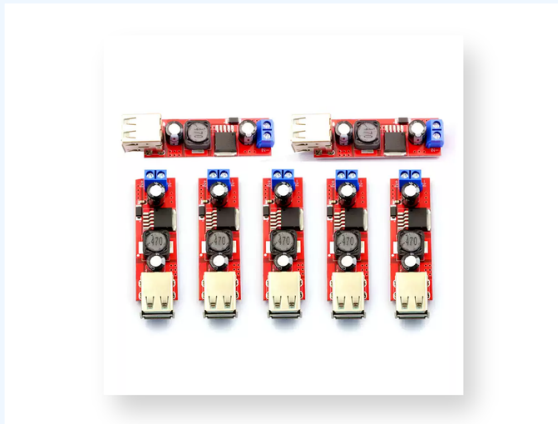
5 V / 3 A max

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 **Wide 6-40 V input range**
- 2 **Dual 5 V USB outputs**
- 3 **3 A maximum load capability**
- 4 **Slim vehicle-ready PCB**