

Voltage regulator from 12V-24V DC to 1.8V, 2.5V, 3.3V, 5V, 9V, 12V DC

Reference: AM2869

EAN13: 8595684600063

UPC: 85044090

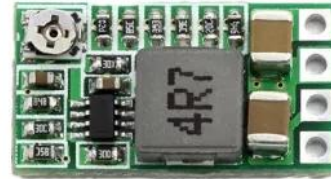
Product attributes:

Product features:

Input voltage: 4.5-24V DC

Output voltage: 0.8-17V DC

Waterproof grade: IP20



Product description:

This DC/DC converter is used to regulate the input voltage, which is always higher than the output voltage. It is a step-down type that has an input voltage range from 4.5 to 24 V. The output voltage ranges from 0.8 to 17 V. The value of the output voltage can be adjusted using a rotary trimmer. A fixed output voltage can also be set, but the module is factory set as adjustable. The step-down module can also be controlled thanks to the enable pin, which activates/deactivates the inverter. The module includes short-circuit protection.

Input voltage: 4.5-24V DC Output voltage: 1.8V, 2.5V, 3.3V, 5V, 9V, 12V DC and adjustable by SMD trimmer 0.8-17V DC Max. current: 5V/3A, 12V/1.5A Output short circuit protection Operating temperature: -40 to 85°C Dimensions: 20x11x5 mm Weight: 4g

Connection:

The module has 4 solder connectors. Connect the input voltage to the IN+ and GND connectors, connect the load to the VO+ and GND terminals. Grounding is common for input and output voltages. In addition, the module has an input (EN – enable) that can activate (log. 1 - native) and deactivate (log. 0) the inverter.

Adjustable fixed output voltage:

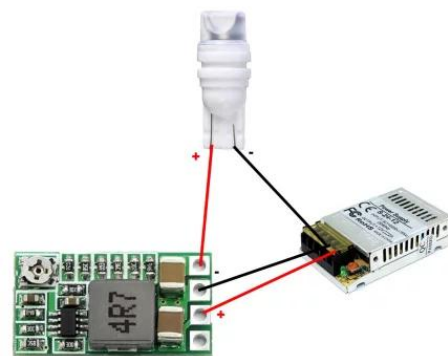
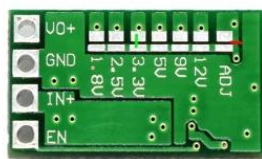
It is enough to solder together the two surfaces at the appropriate voltage, which are on the back of the inverter. The fixed voltage can be set to 1.8; 2.5; 3.5; 5 or 12 V. It is also necessary to break the ADJ connection, preferably with a sharp object. However, the user loses the ability to control the output voltage with the trimmer.

NASTAVENÍ VÝSTUPNÍHO NAPĚTÍ



OUTPUT (0.8-1.7V DC)
GND
INPUT 4.5-24V DC
EN

PRO NASTAVENÍ PEVNÉ HODNOTY MĚNIČE JE POTŘEBA PŘERUŠIT
TIŠTĚNÝ SPOJ S OZNAČENÍM **ADJ**, POTÉ CÍNEM PROPÁJET
POŽADOVANOU HODNOTU. NAPŘÍKLAD **3.3V**.



PŘERUŠENÍ JE MOŽNO PROVEST NAPŘÍKLAD NOŽEM NEBO NŮŽKAMI.

