

# Voltage regulator from 12V-18V DC to 1.8V, 2.5V, 3.3V, 5V, 9V, 12V DC

Reference: AM2869  
EAN13: 8595684600063  
HS code: 85044090



## Product attributes:

## Product features:

Input voltage: 4,5-18 V DC  
Output voltage: 0.8-17 V DC  
Waterproof grade: IP20  
Inverter type: Buck (step-down)

## 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, which has an input voltage range from 4.5 to 18 V. The output voltage ranges from 0.8 to 17 V. The output voltage value can be adjusted using a rotary trimmer. It is also possible to set a fixed output voltage, 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 converter. The module includes short circuit protection.

Input voltage: 4.5-18V DC

Output voltage: 1.8V, 2.5V, 3.3V, 5V, 9V, 12V DC and adjustable with 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

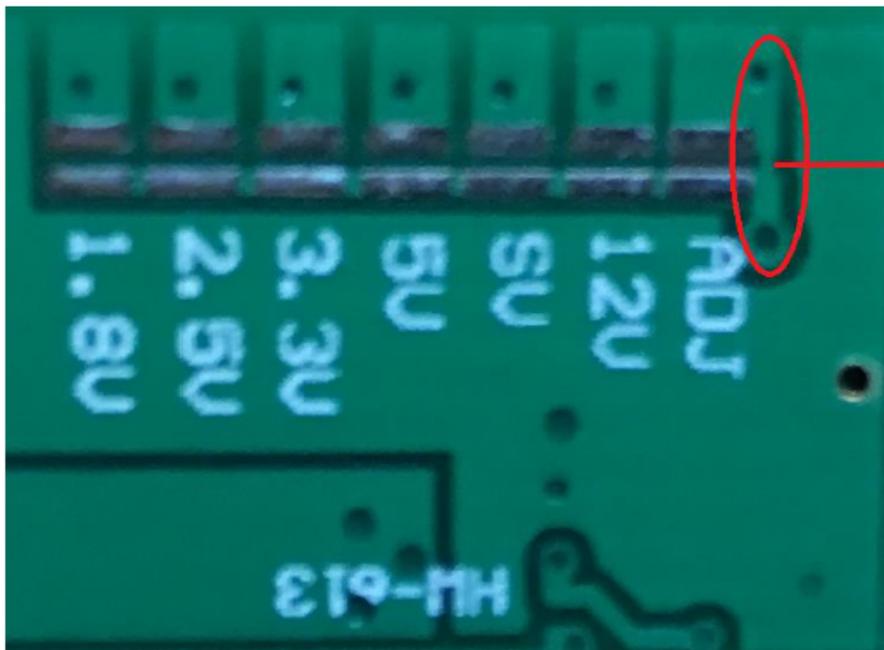
Weight: 4g

## 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. The ground is shared for the input and output voltage. The module also has an input (EN - enable), which can activate (log. 1 - native) and deactivate (log 0) the inverter.

## Adjustable fixed output voltage:

Just solder the two areas at the appropriate voltage, which are on the back of the converter. 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, this will make the user lose the ability to control the output voltage with the trimmer.



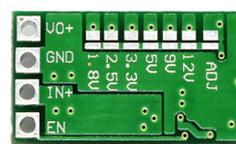
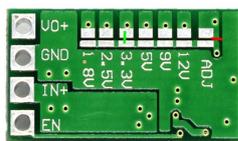
Toto spojení je nutné přerušit při nastaveném pevném výstupním napětí

#### NASTAVENÍ VÝSTUPNÍHO NAPĚTÍ



OUTPUT (0.8-17V DC)  
GND  
INPUT 4.5-18V DC  
EN

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



PŘERUŠENÍ JE MOŽNO PŘEVST NAPŘÍKLAD NOŽEM NEBO NŮŽKAMI.