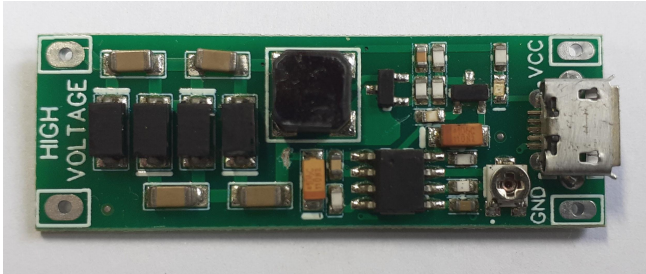


## The DCDC\_3V3\_400V. High Voltage Module for Geiger Tube.



Miniature, ultra-thin (5 mm) and low-power DCDC\_3V3\_400V module with the ability to generate high voltage.

### Application of the DCDC\_3V3\_400V module.

The module was designed for use as a high voltage PSU for Geiger-Muller tubes. The technical characteristics of the module make it possible to use in other projects.

Here are just a few recipes:

- Power supply of retro simbol gas-filled indicators.
- Devices for protection against mosquitoes, ozonizers, etc.

### Important instructions:

The module is sold with a preset output voltage of 400 volts and is ready for use.

Connect the power supply AC/DC adapter to the uUSB connector.

Connect the load to the High voltage and GND outlets.

In case the user needs to change the high voltage level, it is necessary to do:

**Step 1.** Connect to the output port High voltage and GND load (for example, a resistor of 10 MOhm and in parallel to the resistor a capacitor of 300 nF, designed for the voltage you need to set).

**Step 2.** Use a high impedance multimeter (10 MOhm) to control the voltage.

**Step 3.** Set the voltage level on the board with the potentiometer you need.

**Warning!** Do not place other electronic or electrical circuit closer than 1 cm to the high voltage connectors of the module. This may damage these devices.

### Technical specifications.

| Specifications                  | Minimum     | Recommended  | Maximum                       |
|---------------------------------|-------------|--------------|-------------------------------|
| Input voltage level             | 4,5 Volts   | 5 Volts      | 5,5 Volts                     |
| Output voltage adjustment range | 200 Volts   | 400 Volts    | 1200 Volts (at 5 Volts input) |
| Consumed current                | 10 mA       | 18 mA        | 20 mA                         |
| Load resistance                 | 10 MOhm     | 10 MOhm      | 10 MOhm                       |
| Output voltage stability        | ±5%         | ±5%          | ±5%                           |
| Recommended load capacitor      | 300 nF 400V | 300 nF 600 V | 300 nF 1500 V                 |

**Set:** Module - 1 pc. Dimensions: X:15.5 mm x Y:45 mm x Z:5 mm.