

ORBIT2

Configurable DC/DC Converter with Output Power up to 10W

Generates from the input non-stabilized DC voltage up to four DC stabilized output voltages with input/output isolation and output power up to 10W. There is possible to modify the DC/DC Converter according to customer's request on input voltage range and output voltages in an easy way.

Specification (according to customer's choice):

- input voltage range: 9VDC-18VDC, 18VDC-36VDC, 36VDC-75VDC
- output voltage: 3.3V, 5V, 12V, 15V, $\pm 5V$, $\pm 12V$, $\pm 15V$
- number of outputs: 1 to 4
- maximum total output power: **5W** (for single output)
10W (for dual to quad outputs)
- all outputs are fully stabilized
- output voltage stability: $\pm 2.5\%$
- output voltage ripple: max. 1% (peak-to-peak, without external capacitors)
- short circuit protection on all outputs
- efficiency: typically 68% to 76% (depends on the output voltages)
- built-in input and outputs filters
- input/output isolation: 500VDC
- isolation between two outputs: 500VDC (for converter with 2 independent outputs only)
- natural convection cooling
- operating ambient temperature range: $-25\text{ }^{\circ}\text{C}$ to $+71\text{ }^{\circ}\text{C}$
- dimensions: 52.5 x 43.5 x 17.5 mm (2.07" x 1.71" x 0.69")
- through-hole open-frame design for placing on a PCB

Application:

Converter is designed for use in automation and measuring technology or in telecommunications and mobile use from input voltage of 12VDC, 24VDC or 48VDC.

Drawing:

Bottom view (all dimensions in mm).

