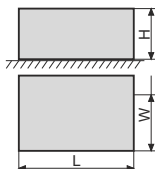


CODE: **DC/DC05** v.1.0/l
 TYPE: **DC/DC 0,5A Step down DC/DC converter**

EN



The converter features:

- supply output 0,5A/12VDC*
- DC power supply range 12÷30V
- High efficiency 86%
- Protections:
 - against reverse input voltage polarity
- warranty – 1 year from the production date

DESCRIPTION

The converter is designed to supply devices requiring stabilized voltage of 12V DC. The maximum load current is 0,5A* (Pmax= 6W). The module does not feature galvanic isolation between input/output (Input-Output), and operates on common "ground" (0V) potential. The inverter is protected against reverse polarity of the input voltage.

TECHNICAL PARAMETERS

Input voltage (power supply)	12÷30V DC
Module power	6W max.
Efficiency	86%
Output voltage range	12V DC
Current consumption by module systems	25mA max.
Output current $t_{AMB}<30^{\circ}C$	0,5A
Output current $t_{AMB}<40^{\circ}C$	0,35A
Ripple voltage	150mV p-p max.
Operating conditions	II environmental class, -10°C +40°C, ensure air flow around the unit for convection cooling. Relative humidity 20%...90%, without condensation.
Dimensions (LxWxH)	50 x 20 x 18 [mm]
Net/gross weight	0,04kg / 0,04kg
DC length of input cable	0,13m + $\Phi 0,51 \pm 1,15$ connector (AWG 24-17) $0,2 \pm 1mm^2$
DC length of output cable	0,13m + DC plug 5,5/2,1 femal
Storage temperature	-20°C...+60°C
Declarations, warranty	CE, 1 year from the production date

* In order to extend the life of the power supply, the load current of 0,35A is recommended.