

DC-DC converter, 9-18V to 5V, 1000mA

Product codes:

Reference: AM3769

EAN13: -

UPC: 85044090



Product features:

Input voltage: 9-18 V DC

Output voltage: 5 V DC

Output current: 1000 mA

Performance: 5 W

Waterproof grade: IP65

Product attributes:

Product description:

The VRB1205YMD-5WR3 is a highly efficient 5W isolated DC-DC converter that converts a 9-18V input voltage to a stable 5V DC output. With galvanic isolation and short-circuit and overload protection, it is ideal for powering sensitive electronics, microcontrollers, and sensor systems in industrial and laboratory environments.

Technical specifications

- **Model:** VRB1205YMD-5WR3
- **Input voltage:** 9-18V DC
- **Output voltage:** 5V DC
- **Output current:** 1000mA
- **Power:** 5W
- **Efficiency:** up to 84% (typ.)
- **Insulation voltage:** 1500V DC
- **Operating temperature range:** -40 °C to +85 °C
- **Start-up time:** 100 ms
- **Standby consumption:** 0.3 W
- **Protection:** IP65 - dust and moisture resistance

- **Dimensions:** 25.4 × 25.4 × 11 mm (DIP package)
- **Cooling:** natural (without fan)

Functions and features

- Wide input voltage range (2:1) for universal use
- Isolated output – galvanic separation of input and output
- Short circuit, overload and overvoltage protection with automatic recovery
- High efficiency and low output ripple
- Standard PCB mounting pins
- Operating temperature up to +85 °C without the need for external cooling

Ideal for

- Powering microcontrollers (Arduino, STM32, ESP32)
- Industrial control and measurement systems
- Communication and sensor modules
- Safe power supply for sensitive electronics with galvanic isolation

Package contents

- 1× DC-DC converter VRB1205YMD-5WR3 (5W, 9–18V → 5V)

Why choose this product?

- High reliability and long service life
- Compact design with easy PCB mounting
- Overload and short circuit protections ensure safe operation
- Suitable as a replacement for Hi-Link HLK-5D1205 modules
- Wide temperature range – ideal for industrial applications

Product gallery:

