

DC-DC converter, 9-18V to 9V, 555mA

Product codes:

Reference: AM0463

EAN13: -

UPC: 85044090



Product features:

Input voltage: 9-18 V DC

Output voltage: 9 V DC

Output current: 555 mA

Performance: 5 W

Waterproof grade: IP65

Product attributes:

Product description:

The VRB1209YMD-5WR3 is a high-efficiency 5W isolated DC-DC converter designed to convert 9-18V DC to a stable 9V DC output. With galvanic isolation, protections, and a wide operating temperature range, it is ideal for use in industrial, communication, and measurement applications.

Technical specifications

- **Model:** VRB1209YMD-5WR3
 - **Input voltage:** 9-18V DC (nominal 12V)
 - **Output voltage:** 9V DC
 - **Output current:** 555mA
 - **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
 - **Case type:** DIP for PCB mounting
 - **Dimensions:** approx. 25.4 × 25.4 × 11 mm
-

- **Protection:** IP65 – dust and moisture resistant

Functions and features

- Wide input range (2:1) for universal use
- Stable 9V DC output voltage with low ripple
- Galvanic isolation of input and output (1500V DC)
- Short circuit, overload and overvoltage protection with automatic recovery
- High efficiency and low heat loss
- Suitable for industrial and built-in applications

Ideal for

- Power supply for sensors, measuring and communication modules
- Arduino, STM32, ESP and other microcontrollers
- Industrial control units and PLC systems
- Electronics requiring a stable 9V power supply with galvanic isolation

Package contents

- 1× DC-DC converter VRB1209YMD-5WR3 (5W, 9-18V → 9V)

Why choose this product?

- High reliability and long service life
- Stable output voltage and low interference
- Compact dimensions and easy installation
- Safe galvanic isolation for device protection
- Ideal replacement for Hi-Link HLK-5D1209 or similar DC-DC modules

Product gallery:

