

DC-DC converter, 9-18V to 15V, 333mA

Product codes:

Reference: AM7421

EAN13: -

UPC: 85044090

Product features:

Input voltage: 9-18 V DC

Output voltage: 15 V DC

Output current: 333 mA

Performance: 5 W

Waterproof grade: IP65



Product attributes:

Product description:

The VRB1215YMD-5WR3 is a compact and highly reliable 5W isolated DC-DC converter designed to convert 9-18V DC to a stable 15V DC output. It offers high efficiency, galvanic isolation, and complete circuit protection, making it an ideal solution for powering sensitive electronics and industrial equipment.

Technical specifications

- **Model:** VRB1215YMD-5WR3
 - **Input voltage:** 9-18V DC (nominal 12V)
 - **Output voltage:** 15V DC
 - **Output current:** 333mA
 - **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
 - **Dimensions:** 25.4 × 25.4 × 11 mm (DIP package)
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- **Protection:** IP65 – dustproof and moistureproof
- **Cooling:** natural (without fan)

Functions and features

- Wide input voltage range (2:1) 9–18V DC
- Galvanic isolation of input and output – isolation voltage 1500V DC
- High efficiency, low ripple and stable output
- Short circuit, overload and overvoltage protection with automatic recovery
- Resistance to moisture, shock and vibration
- Standard pins for easy PCB mounting

Ideal for

- Power supply for microcontrollers, measurement and control modules
- Industrial and communication systems
- Automation technology and sensor applications
- Electronic equipment requiring a galvanically isolated 15V power supply

Package contents

- 1× DC-DC converter VRB1215YMD-5WR3 (5W, 9–18V → 15V)

Why choose this product?

- High quality and reliability for professional applications
- Compact dimensions and easy integration into PCB
- Safe galvanic isolation and multi-level protection
- High efficiency even at full load
- Full replacement for Hi-Link HLK-5D1215 modules

Product gallery:

