

DC-DC converter, 9-36V to 5V, 1000mA

Product codes:

Reference: AM7577

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 URB2405YMD-5WR3 is a powerful and reliable 5W isolated DC-DC converter that converts a wide range of 9-36V DC input voltage to a stable 5V DC output. It offers high efficiency, galvanic isolation, and complete protections, making it ideal for industrial, communication, and embedded electronic systems.

Technical specifications

- **Model:** URB2405YMD-5WR3
 - **Input voltage:** 9-36V DC (nom. 24V)
 - **Output voltage:** 5V DC
 - **Output current:** 1000mA
 - **Power:** 5W
 - **Efficiency:** up to 90% (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
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- **Dimensions:** approx. 25.4 × 25.4 × 11 mm
- **Protection:** IP65 – dustproof and moistureproof

Functions and features

- Wide 4:1 input range (9–36V DC) – ideal for both 12V and 24V systems
- High efficiency up to 90% and low heat loss
- Galvanically isolated output (1500VDC isolation)
- Short circuit, overload and overvoltage protection with automatic recovery
- Resistance to moisture, shock and vibration
- Suitable for applications with limited space – compact design

Ideal for

- Power supply for control and automation systems
- Communication equipment and measurement technology
- Arduino, STM32, ESP and other microcontrollers
- Industrial and transportation electronic applications
- Safe galvanically isolated power supply for sensors and modules

Package contents

- 1× DC-DC converter URB2405YMD-5WR3 (5W, 9–36V → 5V)

Why choose this product?

- High efficiency and stable output voltage
- Wide input range suitable for various power supply environments
- Galvanic isolation ensures device safety
- Full protection against overload, short circuit and overvoltage
- Ideal replacement for Hi-Link HLK-5D2405 or similar modules

Product gallery:

