

04028DA-12S-AUF-D NMB 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: NMB

SKU: [827342011357](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The NMB 04028DA-12S-AUF-D is a high-performance Axial Fan engineered for critical thermal management applications requiring exceptional airflow density and static pressure. This unit utilizes a robust DC brushless motor architecture integrated with precision dual ball bearings to ensure minimal friction and extended operational longevity under continuous high-speed loads. The aerodynamic impeller design is optimized to overcome high system impedance, delivering substantial air movement at a rated speed of 22000 RPM. Constructed with high structural rigidity, this 40mm cooling solution features PWM speed control for dynamic thermal regulation, effectively balancing cooling efficiency with power consumption in dense electronic environments.

Model Number: 04028DA-12S-AUF-D

Brand: NMB (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.00 A

Power Consumption: 12.00 W

Rated Speed: 22000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.5 CFM (48.4 m³/h / 0.81 m³/min)

Max. Static Pressure: 2.15 inH₂O (54.6 mmH₂O / 535 Pa)

Dimensions: 40 x 40 x 28 mm

Weight: 52 g

Noise Level: 61.0 dBA

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire (Lead Wires)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Any

Designed for high-density computing environments, the 04028DA-12S-AUF-D is frequently deployed in 1U server racks and blade chassis where space is constrained but thermal loads are extreme. Its high static pressure capabilities make it ideal for forcing air through tightly packed heatsinks in telecommunications equipment and network switches. Additionally, the 04028DA-12S-AUF-D serves as a critical component in industrial automation systems, CNC machinery, and compact power supplies requiring reliable, continuous cooling performance.

Supplemental Images

