

DB04028B12L-P289 AVC 12VDC 40x40x28mm 4-Wire Axial Fan Datasheet



Brand: AVC

SKU: 673518818835

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/db04028b12l-p289-avc-12vdc-40x40x28mm-4-wire-axial-fan>

Product Description

The AVC DB04028B12L-P289 is a high-density DC Axial Fan engineered for mission-critical thermal management in constrained industrial enclosures. Utilizing advanced DC motor technology paired with a robust dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous high-speed operation. The aerodynamic impeller design optimizes airflow while maintaining significant static pressure, making it ideal for overcoming high thermal impedance in dense server racks and power supply units. Its 4-wire configuration supports precise Pulse Width Modulation (PWM) speed control, allowing for dynamic thermal regulation based on system load, thereby balancing cooling efficiency with acoustic performance and power consumption.

Model Number: DB04028B12L-P289

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.36 A

Input Power: 4.32 W

Rated Speed: 13000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.5 CFM (41.6 m³/h / 0.69 m³/min)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 48 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Termination: 4-Wire Lead with Connector

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Polarity Protection

Designed for high-density electronic environments, the DB04028B12L-P289 is frequently deployed in 1U server racks and network appliances where space is at a premium but airflow requirements are stringent. The DB04028B12L-P289 provides the necessary static pressure to force air through dense heatsinks found in industrial power supplies, RAID arrays, and telecommunication equipment. Its robust construction also suits compact embedded systems and CNC machinery requiring reliable, continuous thermal dissipation under variable loads.

Supplemental Images

