

DATC0825B2G-P008 AVC 12VDC 80x80x25mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [987042633651](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/datc0825b2g-p008-avc-12vdc-80x80x25mm-pwm-axial-fan>

Product Description

The AVC DATC0825B2G-P008 is a high-performance DC axial fan engineered for mission-critical thermal management applications requiring exceptional airflow and static pressure. Operating on a 12VDC platform with a significant current draw of 1.60A, this unit delivers robust cooling power suitable for high-density electronic environments. The fan features a durable dual ball bearing architecture, which ensures superior structural rigidity and extends operational lifespan even under continuous high-speed rotation. Its aerodynamic impeller design is optimized to reduce thermal impedance while maintaining high volumetric efficiency. Integrated 4-wire PWM speed control allows for precise thermal regulation, enabling the system to adjust fan speed dynamically based on real-time temperature data to balance cooling performance with energy consumption.

Model Number: DATC0825B2G-P008

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.60 A

Power Consumption: 19.2 W

Dimensions: 80 x 80 x 25 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Interface

Connector: Standard 4-Pin Header

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Application: High Static Pressure Server Cooling

The DATC0825B2G-P008 is specifically designed for deployment in enterprise-grade hardware such as 1U and 2U server racks, blade chassis, and high-performance workstations where space is limited but heat dissipation requirements are extreme. The high static pressure capabilities of the DATC0825B2G-P008 make it ideal for forcing air through dense heatsinks and restricted enclosures found in telecommunications equipment and industrial automation power supplies.

Supplemental Images

