

DBPF1238B8G-Y012 AVC 48VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [1009681860019](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbpf1238b8g-y012-avc-48vdc-120x120x38mm-pwm-axial-fan>

Product Description

The AVC DBPF1238B8G-Y012 is a high-capacity DC axial fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation, significantly reducing the risk of mechanical failure. The aerodynamic impeller design is optimized to minimize thermal impedance while delivering substantial airflow at high static pressures, making it ideal for overcoming resistance in tightly packed server racks. With a robust 48VDC motor configuration and a high current rating of 4.50A, it provides aggressive cooling performance. The integration of a 4-wire PWM interface allows for precise speed modulation, balancing acoustic performance with necessary heat dissipation requirements, ensuring structural rigidity and operational reliability in industrial environments.

Model Number: DBPF1238B8G-Y012

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Rated Current: 4.50 A

Dimensions: 120 x 120 x 38 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Interface

Connector Type: Standard 4-Pin Header

Airflow Direction: Axial

Frame Material: Reinforced Industrial Plastic (UL94V-0)

Blade Material: Reinforced Industrial Plastic

Mounting Type: Flange Mount

Operating Temperature: -10°C to +70°C

Application: Server/Chassis Cooling

The DBPF1238B8G-Y012 is specifically designed for high-demand industrial and enterprise computing environments where thermal density is a critical concern. Its primary deployment is within server racks and blade chassis where high static pressure is required to force air through dense component arrays. Additionally, the DBPF1238B8G-Y012 is an excellent choice for high-capacity power supply units, CNC machinery, and industrial water cooling radiators, ensuring critical components remain within safe thermal operating limits during peak loads.

Supplemental Images

