

DBPJ1238B2G-P003 AVC 12VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [794283672706](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbpj1238b2g-p003-avc-12vdc-120x120x38mm-pwm-axial-fan>

Product Description

The AVC DBPJ1238B2G-P003 is a precision-engineered DC Axial Fan designed for critical thermal management in high-density electronic environments. Utilizing advanced aerodynamic blade geometry and a robust dual ball bearing architecture, this unit minimizes thermal impedance while maintaining exceptional structural rigidity under high-velocity operation. The motor assembly is optimized for 12VDC systems, delivering substantial static pressure capabilities required to overcome system resistance in restricted enclosures. Integrated PWM pulse width modulation allows for dynamic speed regulation, ensuring an optimal balance between airflow efficiency and acoustic performance across varying load conditions. This component is specifically calibrated for continuous operation in demanding industrial applications.

Model Number: DBPJ1238B2G-P003

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.12 A

Power Consumption: 37.44 W

Rated Speed: 7000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 240.1 CFM (407.9 m³/h / 6.80 m³/min)

Max. Static Pressure: 32.5 mmH₂O (318.7 Pa / 1.28 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 380 g

Noise Level: 64.5 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (4P/6P Connector Options)

Wire Configuration: Red (+), Black (-), Yellow (Sensor), Blue (PWM)

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP54

Certifications: CE, UL, TUV

Engineered for high-static pressure environments, the DBPJ1238B2G-P003 is frequently deployed in cryptocurrency mining hardware, specifically within Innosilicon T2T cooling modules where rapid heat dissipation is critical. Additionally, the DBPJ1238B2G-P003 serves as a vital component in enterprise server racks, telecommunications cabinets, and industrial automation systems requiring forced air convection to maintain operational stability. Its high-velocity output makes it suitable for removing concentrated heat loads in tightly packed electronic assemblies.

Supplemental Images

