

DBPD0838B2U-P004 AVC 12VDC 80x80x38mm 3.6A Axial Fan Datasheet



Brand: AVC

SKU: [762484933052](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/dbpd0838b2u-p004-avc-12vdc-80x80x38mm-3-6a-axial-fan>

Product Description

The AVC DBPD0838B2U-P004 is a high-performance DC axial fan engineered for mission-critical thermal management in dense electronic environments. Utilizing a robust dual ball bearing architecture, this unit is designed to withstand continuous high-speed operation while maintaining structural rigidity and minimizing frictional wear. The aerodynamic impeller geometry is optimized to generate substantial airflow and overcome significant static pressure, making it an ideal solution for systems with high thermal impedance. Featuring a 4-wire interface, the motor supports Pulse Width Modulation (PWM) for precise speed regulation, allowing for dynamic adjustments based on thermal load. The construction employs durable thermoplastic materials to ensure reliability across demanding industrial and enterprise applications.

Model Number: DBPD0838B2U-P004

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.60 A

Power Input: 43.2 W

Rated Speed: 9500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 135.0 CFM (229.3 m³/h / 3.82 m³/min)

Max. Static Pressure: 48.5 mmH₂O (475.6 Pa / 1.91 inH₂O)

Dimensions: 80x80x38mm

Weight: 215 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire Lead (PWM Speed Control + Tachometer)

Connector: Standard 4-Pin Server Header

Housing Material: PBT Synthetic Resin (UL94V-0)

Blade Material: PBT Synthetic Resin (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP4X

Noise Level: 66.5 dB(A)

Safety Certifications: UL, TUV, CE

Motor Protection: Locked Rotor Protection, Polarity Protection

The DBPD0838B2U-P004 is specifically deployed in high-density server racks and enterprise storage arrays where maintaining optimal operating temperatures is crucial for hardware longevity. Its high static pressure capabilities make it suitable for cooling CPU heatsinks, redundant power supplies, and telecommunications base stations. Additionally, the DBPD0838B2U-P004 is frequently utilized in industrial automation equipment and cryptocurrency mining rigs, where consistent, high-volume airflow is required to dissipate heat from power-intensive components.

Supplemental Images

