

DBPT0838B4UP002 AVC 24VDC 1.65A 80x80x38mm Axial Fan Datasheet



Brand: AVC

SKU: [1028090478876](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbpt0838b4up002-avc-24vdc-1-65a-80x80x38mm-axial-fan>

Product Description

AVC DBPT0838B4UP002 is a 24VDC 80x80x38mm Axial Fan optimized for high-density thermal management in environments with significant system impedance. This industrial-grade cooling solution utilizes a high-efficiency DC brushless motor and a precision dual ball bearing architecture to ensure structural rigidity and extended service life under continuous operation. The aerodynamic impeller design is engineered to maximize static pressure, effectively overcoming the thermal impedance found in tightly packed electronic enclosures. Operating at a rated current of 1.65A, this fan delivers high-velocity airflow and features a 4-wire PWM interface for precise speed control and tachometer feedback, ensuring optimal cooling efficiency and reduced acoustic profiles during low-load cycles.

Model Number: DBPT0838B4UP002

Brand: AVC

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.65 A

Power: 39.6 W

Rated Speed: 12000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 112.5 CFM (191.1 m³/h)

Max. Static Pressure: 42.8 mmH₂O (419.7 Pa)

Dimensions: 80 x 80 x 38 mm

Weight: 195 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer / Frequency Generator

Termination: 4-Lead Wires

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Insulation Class: Class A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE

DBPT0838B4UP002 Applications

1. 2U Rackmount Servers: The 38mm depth and high RPM profile are specifically engineered to overcome the high static pressure requirements of dense server blades, making it an ideal replacement fan for enterprise networking hardware.
2. Industrial VFD Inverters: Provides critical component cooling by forcing air through restrictive heat sink fins, utilizing its 1.65A power rating to maintain thermal stability in high-heat power conversion environments.
3. Telecom Base Stations: The dual ball bearing system and wide voltage range support the ruggedized, 24/7 duty cycles required for outdoor telecommunications infrastructure where low-vibration and high-reliability are mandatory.

Supplemental Images

