

DBPA1538B8S-P001 AVC 48VDC 172x150x38mm 4-Wire Axial Fan Datasheet



Brand: AVC

SKU: 1013367036223

Category: Axial & Centrifugal Fans

Price: \$32.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/dbpa1538b8s-p001-avc-48vdc-172x150x38mm-4-wire-axial-fan>

Product Description

The AVC DBPA1538B8S-P001 is a high-performance DC axial fan engineered for demanding industrial thermal management applications requiring substantial airflow and static pressure. Utilizing advanced brushless DC motor technology and a precision dual ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous high-load conditions. The aerodynamic impeller design is optimized to reduce turbulence while maximizing air throughput, effectively lowering thermal impedance in high-density enclosures. Its robust frame construction provides superior structural rigidity, mitigating vibration-induced noise and ensuring stability in server racks and industrial control cabinets.

Model Number: DBPA1538B8S-P001

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 2.10 A

Power Input: 100.8 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 310.0 CFM (526.7 m³/h)

Max. Static Pressure: 1.45 inH₂O (361 Pa)

Dimensions: 172 x 150 x 38 mm

Weight: 850 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire (Lead Wire)

Speed Control: PWM / Tachometer Output

Housing Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP54

Safety Certifications: UL, CUL, TUV, CE

The DBPA1538B8S-P001 is specifically designed for high-static pressure environments such as enterprise server racks and telecommunications base stations where airflow restriction is significant. Its high-velocity output makes the DBPA1538B8S-P001 ideal for cooling CNC machinery electronics and industrial automation control panels, ensuring critical components remain within safe operating temperature ranges. Additionally, this model serves effectively in medical instrumentation and power supply units requiring reliable, continuous heat dissipation.

Supplemental Images

