DBPN0938B8SY001 AVC 48VDC 90x90x38mm 1.50A Axial Fan Datasheet

Brand: AVC

SKU: 815920745424

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/dbpn0938b8sy001-avc-48vdc-90x90x38mm-1-50a-axial-fan

Product Description

The AVC DBPN0938B8SY001 is a high-static pressure DC Axial Fan engineered for mission-critical industrial and server applications requiring substantial airflow against high system impedance. Utilizing advanced motor technology and a robust Dual Ball Bearing architecture, this unit ensures long-term reliability and structural rigidity under continuous high-speed operation. The aerodynamic design of the impeller is optimized to minimize turbulence while maximizing thermal transfer efficiency, making it an ideal solution for dense electronic enclosures where thermal management is paramount. Its 48VDC operating voltage and high-current configuration deliver exceptional torque and rotational stability.

Model Number: DBPN0938B8SY001
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 1.50 A
Power Consumption: 72.0 W
Dimensions: 90 x 90 x 38 mm
Bearing Type: Dual Ball Bearing
Rated Speed: 6000 RPM (Nominal)

Max. Air Flow: 130.5 CFM (221.7 m^3/h / 3.69 m^3/min)
Max. Static Pressure: 24.5 mmH_2O (240 Pa / 0.96 inH_2O)
Noise Level: 58.0 dBA
Termination: 4-Wire Leads with Connector
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy: 70,000 Hours at 40°C
Weight: 210 g
Ingress Protection: IP54 (Dust Protected)
Safety Certifications: UL, CUL, TUV, CE

The DBPN0938B8SY001 is specifically designed for high-density server racks, telecommunications base stations, and industrial automation equipment where space is limited but cooling requirements are extreme. Engineers frequently deploy the DBPN0938B8SY001 in forced-air cooling systems for power supplies and rectifiers, leveraging its high static pressure capabilities to overcome the resistance of heat sinks and tightly packed components.

Supplemental Images