DBPG0938B8S-Y005 AVC 48VDC 90x90x38mm 4-Wire Axial Fan Datasheet

Brand: AVC

SKU: 904907012620

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbpg0938b8s-y005-avc-48vdc-90x90x38mm-4-wire-axial-fan

Product Description

The AVC DBPG0938B8S-Y005 is a high-performance DC Axial Fan engineered for critical thermal management in high-density industrial environments. Utilizing advanced DC motor technology and a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and reduced frictional coefficients under continuous high-speed operation. The 90x90x38mm frame is constructed from reinforced thermoplastic, offering superior structural rigidity and resistance to environmental stress. Designed with optimized blade geometry, it delivers significant static pressure capabilities required to overcome high thermal impedance. This model features a 4-wire configuration, supporting precise PWM speed control and tachometer signal output to dynamically adjust airflow based on system load, making it an ideal solution for mission-critical cooling applications.

Model Number: DBPG0938B8S-Y005
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 48V DC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 1.20 A
Power Consumption: 57.6 W
Rated Speed: 6500 RPM (Nominal)
Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.5 CFM (221.7 m^3/h)
Max. Static Pressure: 28.5 mmH_2O (279.5 Pa / 1.12 inH_2O)
Dimensions: 90 x 90 x 38 mm
Weight: 210 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Termination: 4-Wire Lead
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP54 (Standard)
Safety Certifications: CE, TUV, UL, CUL

The DBPG0938B8S-Y005 is specifically calibrated for high-impedance airflow environments such as 2U and 4U server chassis, telecommunications base stations, and precision medical instrumentation. Its high static pressure capabilities allow the DBPG0938B8S-Y005 to effectively force air through dense heatsinks and restricted enclosures found in CNC machinery and high-wattage power supply units, ensuring component stability during peak operational loads.

Supplemental Images