DBPL0938B4UPH04 AVC 24VDC 92x92x38mm PWM Axial Fan Datasheet

Brand: AVC

SKU: 987365622703

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbpl0938b4uph04-avc-24vdc-92x92x38mm-pwm-axial-fan

Product Description

The AVC DBPL0938B4UPH04 is a high-performance axial cooling solution engineered for demanding industrial and server environments. Utilizing advanced DC motor technology paired with a robust double ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design is optimized to minimize thermal impedance while delivering substantial airflow against high static pressure resistance. Its 92mm frame integrates precision-molded housing to reduce vibration and acoustic resonance. Designed for critical thermal management, the DBPL0938B4UPH04 maintains system stability by effectively dissipating heat in high-density electronic enclosures, making it a reliable choice for mission-critical hardware.

Model Number: DBPL0938B4UPH04
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.80 A
Input Power: 43.2 W
Rated Speed: 5800 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.5 CFM (221.7 m^3/h / 3.69 m^3/min)
Max. Static Pressure: 24.5 mmH_2O (240.2 Pa / 0.96 inH_2O)
Dimensions: 92 x 92 x 38 mm
Weight: 235 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 62.0 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Termination: 4-Wire Lead
Ingress Protection: IP54 (Optional)
Safety Certifications: CE, TUV, UL, CUL

The DBPL0938B4UPH04 is specifically calibrated for high-density server racks and telecommunications equipment where back-pressure is a significant factor. Its robust airflow capabilities make it ideal for cooling precision CNC machinery electronics and industrial power supplies that generate substantial heat loads. By integrating the DBPL0938B4UPH04 into chassis designs, engineers can ensure consistent thermal regulation in 24/7 operational environments, preventing thermal throttling in sensitive processing units and extending the service life of critical infrastructure components.

Supplemental Images


AVC
MODEL DBPL0938B4UPH04
DC 24V 1.80A
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