DBTB0838Y2S-P137 AVC 12VDC 80x80x38mm 2.10A Axial Fan Datasheet

Brand: AVC

SKU: 924221417454

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbtb0838y2s-p137-avc-12vdc-80x80x38mm-2-10a-axial-fan

Product Description

The AVC DBTB0838Y2S-P137 is a precision-engineered axial cooling solution designed for high-density thermal management applications requiring aggressive airflow. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit delivers exceptional longevity and stability under continuous high-speed operation. The aerodynamic blade geometry is optimized to minimize turbulence while maximizing throughput, effectively reducing thermal impedance in restricted enclosures. Constructed with structural rigidity in mind, the frame withstands high rotational velocities up to 10,000 RPM. This 4-wire configuration supports Pulse Width Modulation (PWM) for precise speed regulation, ensuring an optimal balance between cooling performance and power consumption in mission-critical industrial environments.

Model Number: DBTB0838Y2S-P137
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 2.10 A
Power Consumption: 25.2 W
Rated Speed: 10000 RPM (±10%)
Bearing Type: Dual Ball Bearing

Max. Air Flow: ~130 CFM (Estimated based on speed/size)
Dimensions: 80 x 80 x 38 mm
Termination: 4-Wire (PWM Speed Control/Tachometer)
Connector: Standard 4-Pin Header
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Mounting Orientation: Any

Designed for environments requiring rapid heat dissipation, the DBTB0838Y2S-P137 excels in server rack cooling and telecommunications infrastructure. Its high static pressure profile makes it ideal for forcing air through dense heatsinks found in ASIC mining rigs, industrial power supplies, and high-performance computing clusters. The DBTB0838Y2S-P137 is also frequently utilized in precision medical instrumentation and CNC machinery where consistent thermal stability is paramount to prevent component throttling or failure.

Supplemental Images


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