08025SA-24P-AU-D1 NMB 24VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: NMB

SKU: 1008626293130

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/08025sa-24p-au-d1-nmb-24vdc-80x80x25mm-pwm-axial-fan

Product Description

The NMB 08025SA-24P-AU-D1 is a precision-engineered DC axial fan designed for critical thermal management in industrial and server environments. Leveraging MinebeaMitsumi's advanced motor technology, this unit features a robust Dual Ball Bearing architecture that significantly reduces friction and enhances longevity under continuous operation. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, ensuring consistent performance even against high static pressure resistance. With integrated PWM speed control, the fan adjusts dynamically to thermal loads, optimizing energy efficiency and minimizing acoustic noise. This component is engineered to lower thermal impedance in high-density electronic enclosures, providing reliable cooling for sensitive components.

Model Number: 08025SA-24P-AU-D1
Brand: NMB (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.15 A
Power Consumption: 3.60 W
Rated Speed: 3400 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.0 CFM (71.3 m^3/h / 1.19 m^3/min)
Max. Static Pressure: 4.50 mmH_2O (44.1 Pa / 0.18 inH_2O)
Dimensions: 80 x 80 x 25 mm
Weight: 95 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 34.0 dB(A)
Ingress Protection: IP20
Safety Certifications: UL, CSA, TUV, CE

Designed for high-reliability environments, the 08025SA-24P-AU-D1 excels in cooling server racks, variable frequency drives (VFDs), and industrial automation chassis. Its precise PWM control makes it ideal for medical instrumentation and telecommunications equipment where thermal loads vary. The 08025SA-24P-AU-D1 ensures consistent airflow to prevent thermal throttling in critical processing units and power supplies.

Supplemental Images