

8025SS-12P-AU-D1 NMB 12V DC Axial Fan 80mm

SKU: 8025SS-12P-AU-D1

Price: \$11.69

Categories: Fans

Tags: NMB

Product Link:

<https://www.electspares.com/product/8025ss-12p-au-d1-nmb-12v-dc-axial-fan-80mm/>

Product Description

The NMB 8025SS-12P-AU-D1 is a medium-performance DC Axial Fan with dimensions of 80 x 80 x 25 mm. It operates on a nominal voltage of 12 VDC. The fan achieves a controlled speed of 2500 RPM, consuming 3.6 W of power and drawing a maximum current of 0.30 A. It delivers a maximum air flow of 51.0 m³/h (30.0 CFM) and a maximum static pressure of 29.9 Pa (0.12 inAq). This fan utilizes a durable Ball Bearing system and features four-wire termination, enabling both PWM speed control and tachometer feedback for precise thermal management.

8025SS-12P-AU-D1 Fan Parameters

Model: 8025SS-12P-AU-D1

Manufacturer: NMB Technologies Corporation

Type: DC Axial Fan (PWM Control, Tachometer)

Dimensions (measuring): 80 x 80 x 25 mm

Nominal Voltage: 12 VDC

Voltage Range: 10.8 VDC ~ 13.2 VDC

Speed: 2500 RPM (Controlled via PWM)

Power Consumption: 3.6 W

Current Draw: 0.30 A

Max. Airflow: 51.0 m³/h (30.0 CFM)

Max. Static Pressure: 29.9 Pa (0.12 inAq)

Noise Level: 30.0 dB(A)

Weight: 0.080 kg

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Number of Blades: 7

Bearing Type: Ball Bearing

Motor Design: Brushless DC Motor

Motor Protection: Locked Rotor Protection, Auto-Restart

Termination: 4 Wire Leads (PWM Input)

Monitor Output: Yes (Tachometer/FG, PWM Control)

Service Life L10 at 40 °C: 60000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Approvals: UL, CSA, TUV, CE

Application

The NMB 8025SS-12P-AU-D1 fan is specifically designed for sophisticated thermal management systems that require dynamic control over fan speed and continuous status feedback. Primary applications include high-end computer chassis, regulated industrial power supplies, medical imaging equipment, and other electronic assemblies that utilize PWM signals for optimized, variable cooling.

Product Images



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