

DASF0825B5M-002 AVC 5V 0.30A 80x80x25mm Axial Fan Datasheet



Brand: AVC

SKU: [1009011121888](#)

Category: Axial & Centrifugal Fans

Price: **\$14.29**

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Product Page:

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Product Description

AVC DASF0825B5M-002 is a 5VDC 80x80x25mm Axial Fan optimized for high-density thermal management in space-constrained enclosures. This industrial-grade cooling solution features a sophisticated dual ball bearing architecture designed to minimize mechanical friction and extend operational longevity under continuous duty cycles. The aerodynamic impeller is engineered for high structural rigidity, reducing blade deformation at peak velocities to maintain consistent laminar flow. Operating at a rated current of 0.30A, this fan provides an efficient balance between power consumption and thermal dissipation, effectively lowering system thermal impedance in critical server and power supply environments.

Model Number: DASF0825B5M-002

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.30 A

Power: 1.5 W

Rated Speed: 3000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m³/h)

Max. Static Pressure: 3.25 mmH₂O (31.8 Pa)

Dimensions: 80 x 80 x 25 mm

Weight: 75 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: 3-Wire (Tachometer/Signal Output)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL

DASF0825B5M-002 Applications

1. 1U/2U Server Chassis: The 80mm frame and 5VDC rail compatibility make it an ideal replacement fan for legacy server nodes requiring high-reliability active cooling.
2. Industrial Power Supplies: Optimized for overcoming internal component impedance in compact AC-DC converters where 5V auxiliary power is readily available.
3. Embedded Computing Systems: Low-vibration dual ball bearings provide the necessary stability for sensitive optical or storage drives in ruggedized industrial PCs.

Supplemental Images

