

AD0412MB-G76 ADDA 12VDC 40x40x10mm 0.08A Axial Fan Datasheet



Brand: ADDA

SKU: [725321282290](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Page:

<https://www.equipspares.com/product/ad0412mb-g76-adda-12vdc-40x40x10mm-0-08a-axial-fan>

Product Description

The ADDA AD0412MB-G76 is a precision-engineered DC axial fan designed for thermal management in compact electronic assemblies. Utilizing a robust brushless DC motor architecture, this unit delivers consistent airflow while maintaining optimal thermal impedance within high-density enclosures. The construction features a durable frame and impeller composed of reinforced thermoplastic, ensuring structural rigidity and resistance to deformation under continuous operation. Engineered with a low-friction ball bearing system, the AD0412MB-G76 minimizes mechanical noise and extends operational lifespan. Its aerodynamic blade profile is optimized to balance static pressure and volumetric flow, making it an ideal solution for sensitive components requiring reliable heat dissipation.

Model Number: AD0412MB-G76

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.08 A

Power: 0.96 W

Rated Speed: 4200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 5.5 CFM (9.34 m³/h / 0.15 m³/min)
Max. Static Pressure: 2.79 mmH₂O (27.4 Pa / 0.11 inH₂O)
Dimensions: 40x40x10mm
Weight: 16 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 24.0 dB(A)
Speed Control: Tachometer Output (FG Signal)
Ingress Protection: IP20
Insulation Class: Class A
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Termination: 3-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Certifications: UL, CUL, TUV, CE
Protection: Impedance Protected, Reverse Polarity

The AD0412MB-G76 is frequently integrated into compact computing environments and industrial instrumentation where space is at a premium. Common deployment scenarios include CPU cooling in embedded systems, ventilation for small form-factor power supplies, and thermal regulation in network switches. The AD0412MB-G76 ensures critical components remain within safe operating temperatures in medical diagnostic equipment and telecommunications hardware.

Supplemental Images

