

AD0405MB-G70 ADDA 5VDC 40x40x10mm Silent Axial Fan Datasheet



Brand: ADDA

SKU: 703400782024

Category: Axial & Centrifugal Fans

Price: \$7.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0405mb-g70-adda-5vdc-40x40x10mm-silent-axial-fan>

Product Description

The ADDA AD0405MB-G70 is a compact Axial Fan engineered for precision thermal management in space-constrained electronic environments. Utilizing advanced Brushless DC (BLDC) motor technology, this unit ensures consistent rotational stability and reduced electromagnetic interference, critical for sensitive circuitry. The architecture features a durable Ball Bearing system, which significantly lowers the coefficient of friction compared to sleeve alternatives, thereby enhancing structural rigidity and extending operational lifespan under continuous load. Its aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance while maintaining low acoustic signatures. This micro-fan solution delivers reliable cooling performance essential for maintaining component integrity in dense electronic assemblies.

Model Number: AD0405MB-G70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.11 A

Input Power: 0.55 W

Rated Speed: 4800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 5.5 CFM (9.34 m³/h / 0.15 m³/min)

Max. Static Pressure: 2.28 mmH₂O (22.4 Pa / 0.09 inH₂O)

Dimensions: 40x40x10mm

Weight: 17 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 24.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, CE

The AD0405MB-G70 is specifically calibrated for integration into compact electronic systems where space is at a premium but thermal reliability cannot be compromised. Common deployment scenarios include cooling chipsets in embedded systems, ventilating handheld medical devices, and managing thermals in portable telecommunications equipment. Additionally, the AD0405MB-G70 serves as a critical component in network switches, DVR units, and micro-projectors, ensuring continuous operation by preventing heat accumulation in tightly packed enclosures.

Supplemental Images

