

AD0412MX-G70 ADDA 12VDC 40x40x10mm Silent Axial Fan Datasheet



Brand: ADDA

SKU: 853810117527

Category: Axial & Centrifugal Fans

Price: \$12.99

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<https://www.equipspares.com/product/ad0412mx-g70-adda-12vdc-40x40x10mm-silent-axial-fan>

Product Description

The ADDA AD0412MX-G70 is a compact axial cooling fan engineered for precision thermal management in restricted electronic enclosures. Utilizing ADDA's proprietary Hypro bearing technology, this unit balances structural rigidity with extended operational longevity, effectively bridging the gap between sleeve and ball bearing performance profiles. The 12VDC motor integrates advanced commutation circuitry to minimize electromagnetic interference while maintaining consistent torque delivery at a rated current of 0.08A. Its aerodynamic impeller design optimizes airflow efficiency, significantly reducing thermal impedance within sensitive electronics such as digital video recorders and network appliances. The frame construction employs durable thermoplastic materials to ensure reliability, making it a robust component for continuous duty cycles in industrial and commercial environments requiring acoustic discretion.

Model Number: AD0412MX-G70

Brand: ADDA

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.08 A

Power Consumption: 0.96 W

Rated Speed: 4200 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 4.8 CFM (8.15 m³/h / 0.13 m³/min)

Max. Static Pressure: 2.28 mmH₂O (22.36 Pa / 0.09 inH₂O)

Dimensions: 40x40x10mm

Weight: 17 g

Life Expectancy: 40,000 Hours at 40°C

Noise Level: 21.0 dB(A)

Frame Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Safety Certifications: UL, CUL, TUV, CE

The AD0412MX-G70 is specifically calibrated for low-profile electronic assemblies requiring acoustic discretion and reliable heat dissipation. Frequently deployed in surveillance systems like Dahua video recorders, the AD0412MX-G70 ensures critical components remain within safe thermal operating limits without introducing disruptive noise. Its compact form factor also suits small form factor power supplies, network switches, and embedded industrial controllers where internal clearance is minimal and airflow efficiency is paramount.

Supplemental Images

