

AD0412MS-G70 ADDA 12VDC 0.08A 40x40x10mm Axial Fan Datasheet



Brand: ADDA

SKU: [994856809457](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ad0412ms-g70-adda-12vdc-0-08a-40x40x10mm-axial-fan>

Product Description

The ADDA AD0412MS-G70 is a compact DC axial fan engineered for efficient thermal management in space-constrained electronic assemblies. Utilizing a reliable sleeve bearing architecture, this 40mm cooling solution balances operational longevity with acoustic performance. The unit features a brushless DC motor design that optimizes torque delivery while minimizing electromagnetic interference. Constructed with high-grade thermoplastic PBT (UL94V-0), the housing ensures structural rigidity and resistance to flammability. Its aerodynamic impeller design reduces turbulence, thereby lowering thermal impedance within the target enclosure. This specific model operates at 12VDC and is optimized for applications requiring consistent airflow with minimal power consumption.

Model Number: AD0412MS-G70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.08 A

Power Input: 0.96 W

Rated Speed: 5800 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 6.0 CFM (10.2 m³/h / 0.17 m³/min)
Max. Static Pressure: 0.11 inH₂O (27.4 Pa / 2.79 mmH₂O)
Dimensions: 40x40x10mm
Weight: 17 g
Noise Level: 23.0 dB(A)
Frame Material: Glass Fiber Reinforced PBT (UL94V-0)
Impeller Material: Glass Fiber Reinforced PBT (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 30,000 Hours at 40°C
Motor Protection: Impedance Protected
Polarity Protection: Reverse Polarity Protected
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute

The AD0412MS-G70 is frequently deployed in compact electronic environments where heat dissipation is critical but space is limited. Common integration points include small form-factor power supplies, network switches, and chipset cooling within industrial controllers. The AD0412MS-G70 is also suitable for ventilating 3D printer hotends and DVR enclosures, ensuring components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

