

# HA40101V4-1D070-G99 SUNON 12VDC 40x40x10mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [821066954956](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/ha40101v4-1d070-g99-sunon-12vdc-40x40x10mm-maglev-axial-fan>

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## Product Description

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The SUNON HA40101V4-1D070-G99 is a precision-engineered DC axial fan designed for applications requiring low acoustic noise and extended operational longevity. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) motor technology, this unit eliminates friction between the rotor and shaft, significantly reducing thermal impedance and vibration. The integrated Vapo bearing system ensures superior structural rigidity and stability, preventing oil leakage and dust ingress. With a compact 40mm form factor and optimized blade geometry, it delivers efficient airflow while maintaining minimal power consumption, making it ideal for sensitive electronic cooling environments.

Model Number: HA40101V4-1D070-G99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.036 A

Rated Power: 0.43 W

Rated Speed: 4500 RPM

Bearing Type: Vapo (MagLev)

Max. Air Flow: 5.3 CFM (9.0 m<sup>3</sup>/h / 0.15 m<sup>3</sup>/min)  
Max. Static Pressure: 1.52 mmH<sub>2</sub>O (14.9 Pa / 0.06 inH<sub>2</sub>O)  
Dimensions: 40x40x10 mm  
Weight: 14.7 g  
Noise Level: 18.2 dB(A)  
Life Expectancy: 60,000 Hours @ 40°C  
Housing Material: Thermoplastic PBT (UL94V-0)  
Blade Material: Thermoplastic PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP5X (Dust Protected)  
Termination: 2-Wire Lead (UL1007, 26AWG)  
Safety Certifications: UL, CUR, TUV, CE  
Motor Protection: Impedance Protected

This cooling solution is engineered for compact electronic assemblies where space and noise are critical constraints. The HA40101V4-1D070-G99 is frequently deployed in network interface cards, small form-factor power supplies, and portable medical instrumentation requiring reliable thermal management. Additionally, the HA40101V4-1D070-G99 serves as an effective component in IoT gateways and embedded industrial controllers, ensuring component stability through consistent airflow delivery.

## Supplemental Images

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