

HA40101V4-1D01U-G99 SUNON 12VDC 40x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [985734151791](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ha40101v4-1d01u-g99-sunon-12vdc-40x10mm-maglev-axial-fan>

Product Description

The SUNON HA40101V4-1D01U-G99 is a precision-engineered axial fan utilizing advanced Magnetic Levitation (MagLev) motor technology. Designed for applications requiring minimal acoustic signatures, this unit features a proprietary Vapo bearing system that eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and thermal impedance. The 12VDC motor operates at an ultra-efficient 0.43W, ensuring low power consumption while maintaining structural rigidity through its thermoplastic PBT housing. This aerodynamic design optimizes airflow dynamics, providing reliable thermal management for sensitive electronic components where vibration and noise suppression are critical performance metrics.

Model Number: HA40101V4-1D01U-G99

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Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.036 A

Power: 0.43 W

Rated Speed: 4500 RPM

Bearing Type: MagLev (Vapo)

Max. Air Flow: 5.3 CFM (9.0 m³/h / 0.15 m³/min)

Max. Static Pressure: 2.79 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 40 x 40 x 10 mm

Weight: 14.7 g

Life Expectancy: 60,000 Hours @ 40°C

Speed Control: 3-Wire (Tachometer/Signal)

Noise Level: 18.2 dBA

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

Termination: 3-Wire Lead

Ingress Protection: IP21 (Standard)

Safety Certifications: UL, CUR, TUV, CE

The HA40101V4-1D01U-G99 is engineered for compact electronic environments where silence and longevity are paramount. Its low-profile form factor makes it ideal for small form factor (SFF) computer chassis, HTPC builds, and network attached storage (NAS) cooling solutions. Additionally, the HA40101V4-1D01U-G99 serves effectively in industrial instrumentation, medical diagnostic equipment, and telecommunications gear requiring consistent thermal dissipation without introducing electromagnetic interference or mechanical vibration.

Supplemental Images

