

HA40101V4-D14C-999 SUNON 12VDC 40x40x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [1011283941986](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Description

The SUNON HA40101V4-D14C-999 is a precision-engineered DC axial fan designed for applications requiring low acoustic noise and extended operational reliability. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and vibration while optimizing thermal impedance. The 40mm frame is constructed from durable thermoplastic PBT (UL94V-0), ensuring structural rigidity under continuous operation. With a rated voltage of 12VDC and power consumption of 0.8W, this fan delivers efficient airflow management for compact electronic assemblies, maintaining a critical balance between aerodynamic performance and energy efficiency.

Model Number: HA40101V4-D14C-999

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.067 A

Power Consumption: 0.80 W

Rated Speed: 4500 RPM \pm 15%

Bearing Type: MagLev Vapo Bearing

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 at 40°C

Noise Level: 18.2 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP5X (Dust Protected)

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

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

Wire Gauge: 26 AWG

Motor Protection: Impedance Protected

Dielectric Strength: 500 VAC for 1 Minute

Direction of Rotation: Counter-clockwise

Designed for compact thermal management, the HA40101V4-D14C-999 is frequently integrated into small-form-factor electronics such as network switches, DVR surveillance systems, and portable instrumentation. Its low-noise profile makes the HA40101V4-D14C-999 ideal for consumer-facing devices like home media centers and 3D printer hotend cooling, where acoustic discretion is paramount alongside reliable heat dissipation.

Supplemental Images

