HA40101V4-1E01C-S99 SUNON 12VDC 40x40x10mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 1014799285528

Category: Axial & Centrifugal Fans

Price: **$4.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ha40101v4-1e01c-s99-sunon-12vdc-40x40x10mm-maglev-axial-fan

Product Description

The SUNON HA40101V4-1E01C-S99 is a high-precision MagLev Axial Fan engineered for mission-critical thermal management in compact environments. Utilizing Sunon proprietary Magnetic Levitation motor technology, this unit minimizes friction and vibration, significantly reducing thermal impedance while enhancing structural rigidity. The Vapo bearing architecture ensures exceptional longevity and stability across varying mounting orientations. Designed with a 4-wire PWM interface, it allows for granular speed control and real-time feedback. This 40x40x10mm cooling solution is optimized for low-noise operation without compromising static pressure, making it ideal for sensitive electronic assemblies and industrial automation components requiring consistent airflow.

Model Number: HA40101V4-1E01C-S99
Brand: SUNON
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 4.5 - 13.8 VDC
Rated Current: 0.033 A
Power: 0.39 W
Rated Speed: 4400 RPM
Bearing Type: MagLev (Vapo)
Max. Air Flow: 5.5 CFM (9.35 m^3/h / 0.15 m^3/min)

Max. Static Pressure: 0.08 inH_2O (2.03 mmH_2O / 19.91 Pa)
Dimensions: 40x40x10mm
Weight: 15.6 g
Life Expectancy: 60,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Feedback: Tachometer (Yellow Wire)
Noise Level: 12.8 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 4 Lead Wires (Red, Black, Yellow, Green)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Resistance: 10M ohm at 500VDC
Dielectric Strength: 500VAC for 1 minute
Protection Features: Auto Restart, Polarity Protection

The HA40101V4-1E01C-S99 is specifically designed for high-density cooling applications where space is at a premium. It is widely integrated into 3D printer hotends and control boards to prevent heat creep and ensure print consistency. Beyond additive manufacturing, the HA40101V4-1E01C-S99 serves as a reliable thermal regulator for network switches, medical diagnostic equipment, and compact industrial power supplies. Its low acoustic profile and high reliability make it a preferred choice for server rack peripherals and telecommunications hardware where continuous operation is mandatory.

Supplemental Images