

# ME40101VX-0000-G99 Sunon 12VDC 40x40x10mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 733884782882

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/me40101vx-0000-g99-sunon-12vdc-40x40x10mm-maglev-axial-fan>

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## Product Description

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The Sunon ME40101VX-0000-G99 is a high-performance DC axial fan engineered for critical thermal management in compact electronic enclosures. Utilizing Sunon's proprietary Magnetic Levitation (MagLev) Vapo bearing technology, this unit eliminates direct physical contact between the shaft and bearing, resulting in significantly reduced friction, lower noise levels, and extended operational longevity compared to traditional sleeve or ball bearing designs. The impeller features an advanced aerodynamic geometry optimized to deliver a high airflow-to-static pressure ratio, ensuring efficient heat dissipation even in high-impedance environments. Constructed with a durable thermoplastic PBT housing and featuring a high-efficiency DC motor, the ME40101VX-0000-G99 maintains structural rigidity and low thermal impedance, making it a robust solution for continuous duty applications requiring precise temperature control.

Model Number: ME40101VX-0000-G99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Power: 1.60 W

Rated Current: 0.133 A

Rated Speed: 8500 RPM

Bearing Type: Vapo (MagLev)

Max. Air Flow: 10.8 CFM (18.35 m<sup>3</sup>/h / 0.31 m<sup>3</sup>/min)

Max. Static Pressure: 6.35 mmH<sub>2</sub>O (62.27 Pa / 0.25 inH<sub>2</sub>O)

Noise Level: 36.0 dB(A)

Dimensions: 40x40x10 mm

Weight: 17.0 g

Termination: 3-Wire (Lead Wire)

Wire Function: Signal/Tachometer (F Type)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 60,000 Hours (at 40°C)

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV

This compact cooling solution is specifically designed for space-constrained hardware architectures requiring reliable thermal regulation. The ME40101VX-0000-G99 is frequently deployed in network switches, optical transceivers, and 1U server rack modules where airflow efficiency is paramount. Additionally, the high static pressure characteristics of the ME40101VX-0000-G99 make it an ideal component for 3D printer hotend cooling, portable medical instrumentation, and industrial automation controllers, ensuring stable operation of sensitive semiconductors.

## Supplemental Images

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