

EF40101B1-1000C-G99 SUNON 12VDC 40x40x10mm Axial Fan Datasheet



Brand: SUNON

SKU: [729715666592](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ef40101b1-1000c-g99-sunon-12vdc-40x40x10mm-axial-fan>

Product Description

The SUNON EF40101B1-1000C-G99 is a precision-engineered DC Axial Fan designed for high-density thermal management applications. Utilizing advanced 2 Ball Bearing technology, this unit ensures minimized friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes airflow while maintaining low acoustic resonance, effectively reducing thermal impedance in compact electronic enclosures. Constructed with a durable thermoplastic frame, it offers superior structural rigidity and resistance to environmental stressors. This 12VDC cooling solution delivers reliable performance, making it an essential component for maintaining system stability in critical industrial and IT infrastructure.

Model Number: EF40101B1-1000C-G99

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Power Input: 1.01 W

Rated Current: 0.084 A

Rated Speed: 7000 RPM

Max. Air Flow: 8.0 CFM (13.6 m³/h / 0.23 m³/min)

Max. Static Pressure: 2.97 mmH₂O (29.1 Pa / 0.12 inH₂O)

Noise Level: 27.3 dB(A)

Bearing Type: 2 Ball Bearing

Dimensions: 40 x 40 x 10 mm

Weight: 15.0 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Leads (Red +, Black -, Yellow F/Tach)

Speed Control: Frequency Generator (Tachometer)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV, CE

Protection: Auto-Restart, Polarity Protection

The EF40101B1-1000C-G99 is engineered for versatile integration into compact electronic assemblies requiring consistent thermal dissipation. Common deployment scenarios include 1U server rack cooling modules, network switches, and industrial automation control panels where space is at a premium. The EF40101B1-1000C-G99 also serves effectively in medical instrumentation and portable telecommunications equipment, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

