

# PE60251B1-000C-G99 Sunon 12V 3.57W 60mm 6025 DC Axial Fan

**SKU:** PE60251B1-000C-G99

**Price:** \$10.00

**Categories:** Fans

**Tags:** SUNON

**Product Link:**

<https://www.electspares.com/product/pe60251b1-000c-g99-sunon-12v-3-57w-60mm-6025-dc-axial-fan/>

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## Product Description

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The Sunon PE60251B1-000C-G99 is a high-performance 12V DC Axial Fan with dimensions of 60 x 60 x 25 mm, specifically engineered for efficient thermal management in server, telecommunications, and industrial computing applications. Operating at a nominal 12 VDC, this specialized variant runs at a rated speed of 6900 RPM, delivering an airflow of 36 CFM (61.2 m<sup>3</sup>/h) with a power consumption of 3.57 W. The fan features a high-efficiency 5-blade impeller and a 3-wire interface providing Tacho signal feedback for precise system monitoring. Utilizing a robust dual ball bearing system and glass-fiber reinforced PBT construction, the PE60251B1-000C-G99 provides a balanced profile of 0.54 inAq (134.5 Pa) static pressure and reliable 24/7 operation, making it an ideal solution for 2U chassis and compact electronic enclosures where structural durability is essential.

PE60251B1-000C-G99 Fan Parameters

Manufacturer: Sunon

Model Number: PE60251B1-000C-G99

Motor Design: Brushless DC Motor

Type: DC Axial Fan

Nominal Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Dimensions: 60 x 60 x 25 mm

Impeller Size: 60 mm

Number of Blades: 5

Mass: 71 g

[Electrical Data]

Nominal Speed: 6900 RPM ( $\pm 10\%$ )

Power Consumption: 3.57 W

Current Draw: 0.30 A

Starting Voltage: 6.0 VDC

Termination: 3 Lead wires

Lead Wire Length: 300 mm  $\pm$  10 mm

Motor Bearing: Dual Ball Bearing

Signal Output: Tacho signal (F-Signal)

Motor Protection: Polarity protection and locked rotor auto-restart

#### [Performance & Acoustics]

Max. Air Flow: 61.2 m<sup>3</sup>/h (36 CFM)

Max. Static Pressure: 134.5 Pa (0.54 inAq)

Sound Pressure Level: 44 dB(A)

Direction of Rotation: Counter-clockwise (looking at rotor)

Airflow Direction: Exhaust over struts

#### [Materials & Construction]

Housing Material: Glass-fiber reinforced plastic (PBT, UL 94V-0)

Impeller Material: Glass-fiber reinforced plastic (PBT, UL 94V-0)

Mounting Position: Any

Frame Type: Ribbed

#### [Reliability & Protection]

Service Life (L10 at 40 °C): 70000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Insulation Resistance: 10M  $\Omega$  min at 500 VDC

Dielectric Strength: 5 mA max at 500 VAC 50/60 Hz for 1 minute

Approval: UL, CUL, TUV, CE

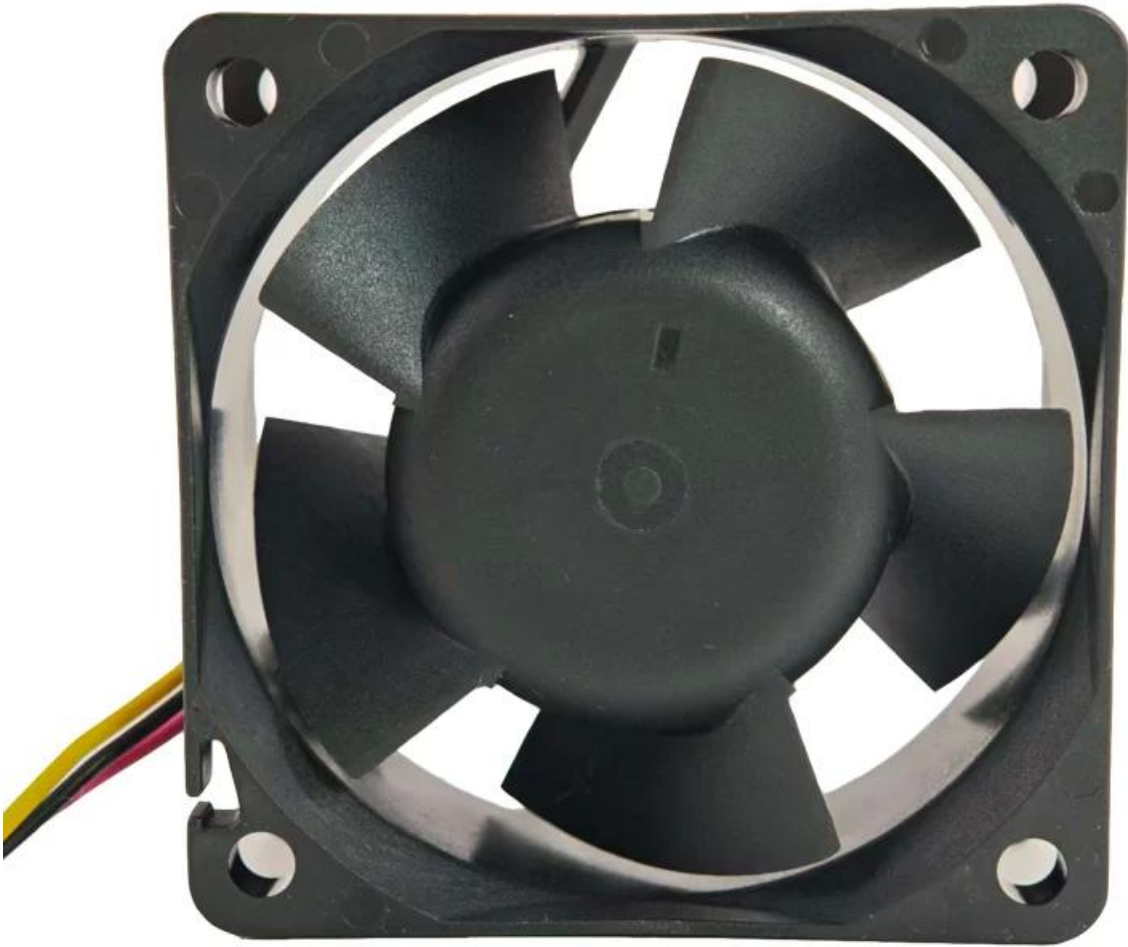
#### Application

The Sunon PE60251B1-000C-G99 is specifically engineered for high-density cooling in mission-critical 12V environments where consistent airflow is required to maintain the stability of 2U rackmount servers, network switches, and industrial power supply units, utilizing its 6900 RPM rotational speed and 5-blade impeller design to provide efficient heat extraction while the 3-wire Tacho signal interface allows for real-time monitoring of fan health to ensure 24/7 reliability in enterprise-grade hardware where preventing thermal throttling is essential for maintaining system performance.

## Product Images

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Scan for product details:

