

ME45101V1-000C-A99 Sunon 12V 1.32W 45mm DC Axial Fan

SKU: ME45101V1-000C-A99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/me45101v1-000c-a99-sunon-12v-1-32w-45mm-dc-axial-fan/>

Product Description

The Sunon ME45101V1-000C-A99 is a high-performance Brushless DC Axial Fan with dimensions of 45 x 45 x 10 mm. Operating at a nominal voltage of 12 VDC, this unit features a 7-blade impeller design engineered for efficient air displacement in space-constrained applications. It delivers a maximum airflow of 20.0 m³/h (11.8 CFM) at a rated speed of 6500 RPM with a power consumption of 1.32 W and a current draw of 0.11 A. With a noise profile of 32.5 dB(A) and a static pressure of 44.8 Pa (0.18 inAq), the ME45101V1-000C-A99 provides a balanced thermal management solution for compact electronic enclosures. The fan utilizes a 2-wire termination and lightweight 16 g construction, ensuring reliable cooling for modern low-profile industrial and telecommunications equipment.

ME45101V1-000C-A99 Fan Parameters

Manufacturer: Sunon

Model Number: ME45101V1-000C-A99

Type: DC Axial Fan

Motor Design: Brushless DC Motor

Number of Blades: 7

Nominal Voltage: 12 VDC

Dimensions: 45 x 45 x 10 mm

Impeller Size: 41 mm

Weight: 16 g

[Electrical Data]

Rated Speed: 6500 RPM

Rated Current: 0.11 A

Power Consumption: 1.32 W

Termination: 2 Wire Leads

[Performance & Acoustics]

Air Flow: 20.0 m³/h (11.8 CFM)

Max. Static Pressure: 44.8 Pa (0.18 inAq)

Noise Level: 32.5 dB(A)

[Materials & Construction]

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Bearing Type: Vapo Bearing (MagLev System)

Airflow Direction: Exhaust over struts

Direction of Rotation: Counterclockwise, viewed toward rotor

[Reliability & Protection]

Service Life: 60000 h at 40 °C

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Motor Protection: Auto Restart; Polarity Protection

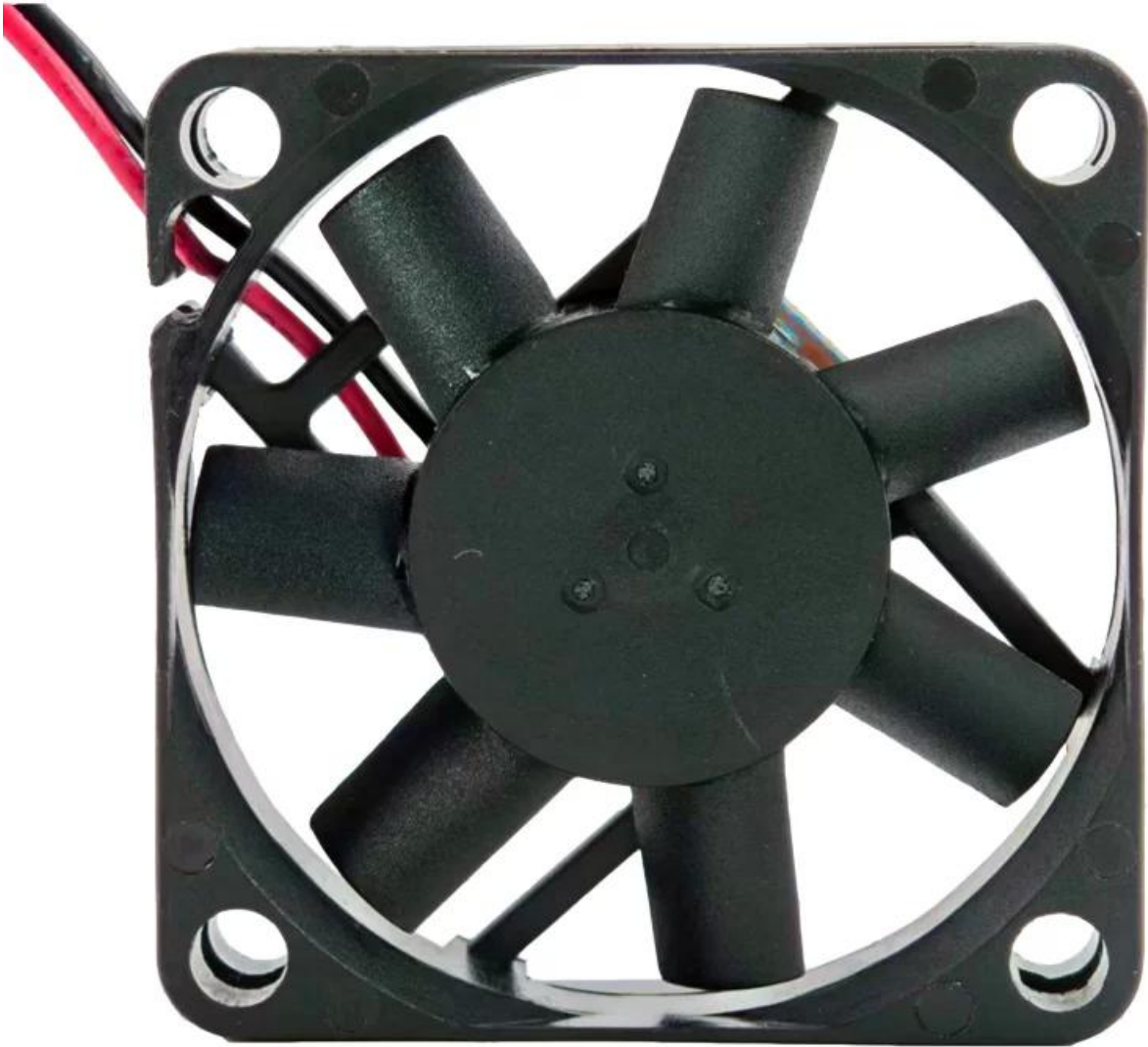
Approval: UL, TUV, CE

Application

The Sunon ME45101V1-000C-A99 Brushless DC Fan is an ideal thermal management solution for micro-electronics and compact telecommunications equipment requiring low-profile components. Its 10 mm thickness and 45 mm frame size allow it to fit into slim enclosures where traditional fans cannot. Utilizing the high-performance 6500 RPM motor and 7-blade design, it provides superior airflow for noise-sensitive environments like desktop office equipment or portable diagnostic tools. With a maximum airflow of 20.0 m³/h (11.8 CFM) and a durable PBT construction, this fan ensures long-term maintenance-free operation for modern low-power electronic systems and mission-critical 12V DC infrastructures.

Product Images









Scan for product details:

