

MF25100V1-1000C-A99 Sunon 5V 0.58W 25mm DC Axial Fan

SKU: MF25100V1-1000C-A99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.elecspares.com/product/mf25100v1-1000c-a99-sunon-5v-0-58w-25mm-dc-axial-fan/>

Product Description

The Sunon MF25100V1-1000C-A99 is a high-performance Brushless DC Axial Fan with dimensions of 25 x 25 x 10 mm. Operating at a nominal voltage of 5 VDC, this ultra-compact unit features a 5-blade impeller design specifically optimized for high-pressure air delivery in miniature applications. It delivers a maximum airflow of 5.95 m³/h (3.5 CFM) at an impressive rated speed of 13000 RPM, with a power consumption of 0.58 W. Designed for micro-electronics and precision cooling, this fan provides a significant static pressure of 62.2 Pa (0.25 inAq) while maintaining a quiet noise profile of 23 dB(A). Utilizing a 2-wire termination and a lightweight 7.26 g construction, the MF25100V1-1000C-A99 ensures stable and efficient thermal management for modern space-constrained 5V DC electronic systems.

MF25100V1-1000C-A99 Fan Parameters

Manufacturer: Sunon

Model Number: MF25100V1-1000C-A99

Type: DC Axial Fan

Motor Design: Brushless DC Motor

Number of Blades: 5

Nominal Voltage: 5 VDC

Dimensions: 25 x 25 x 10 mm

Impeller Size: 22 mm

Weight: 7.26 g

[Electrical Data]

Rated Speed: 13000 RPM

Rated Current: 116 mA

Power Consumption: 0.58 W

Termination: 2 Wire Leads

[Performance & Acoustics]

Air Flow: 5.95 m³/h (3.5 CFM)

Max. Static Pressure: 62.2 Pa (0.25 inAq)

Noise Level: 23 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: 70000 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 MF25100V1-1000C-A99 Brushless DC Fan is a specialized thermal management solution for ultra-compact devices requiring high static pressure in a 25 mm frame. Its 10 mm thickness makes it ideal for integrating into portable diagnostic tools, micro-projectors, and high-density network modules where internal resistance is high. The 5-blade high-speed design efficiently overcomes backpressure, delivering a maximum airflow of 5.95 m³/h (3.5 CFM) to critical components. With its lightweight 7.26 g profile and quiet 23 dB(A) operation, this 5V fan provides durable, maintenance-free cooling for next-generation handheld electronics and sensitive 5V DC power infrastructures.

Product Images







