

MB60151V3-0000-A99 Sunon 12V 0.60W 60mm DC Axial Fan

SKU: MB60151V3-0000-A99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/mb60151v3-0000-a99-sunon-12v-0-60w-60mm-dc-axial-fan/>

Product Description

The Sunon MB60151V3-0000-A99 is a precision DC axial fan, commonly referred to as a "6015" size, engineered for reliable thermal management in low-profile electronic environments. This 60 x 60 x 15 mm unit features Sunon's proprietary MagLev (Vapo) bearing system, which utilizes magnetic levitation to eliminate mechanical friction and significantly extend the fan's operational lifespan. Operating at a nominal 12 VDC with a refined 0.60 W power rating, it delivers a steady 3500 RPM. This variant features a simple 2-wire interface, making it an ideal choice for straightforward power integration in noise-sensitive applications. Built with a brushless DC motor and an aerodynamically balanced 7-blade impeller, this fan provides consistent airflow and a quiet acoustic signature of 25 dB(A) for network routers, security DVRs, and medical instrumentation.

MB60151V3-0000-A99 Fan Parameters

Manufacturer: Sunon

Model Number: MB60151V3-0000-A99

Industry Size Code: 6015

Type: DC axial fan

Bearing Type: Vapo / MagLev (Magnetic Levitation)

Nominal Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Starting Voltage: 6.0 VDC

Dimensions: 60 x 60 x 15 mm

[Electrical Data]

Input Power: 0.60 W

Nominal Current: 0.05 A (50 mA)

Max. Current: 0.06 A

Nominal Speed: 3500 RPM (Tolerance $\pm 15\%$)

Motor Design: Brushless DC Motor, 4-pole

Signal Output: None (2-Wire Fixed Speed)

Motor Protection: Polarity Protection, Auto Restart

Insulation Resistance: 10M ohm at 500 VDC between housing and lead wire

Termination: 2-Lead wires (UL1007, AWG#26, Red/Black)

[Performance & Acoustics]

Max. Air Flow: 15.8 CFM (26.86 m³/h / 0.45 m³/min)

Max. Static Pressure: 2.29 mmH₂O (22.46 Pa / 0.09 inH₂O)

Sound Pressure Level: 25.0 dB(A)

Number of Blades: 7

Direction of Rotation: Counter-clockwise (viewed toward impeller)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Life Expectancy (L10): 60,000 hours at 40 °C

Standard Compliance: IEC 60950-1, EN 61000-6-1

Approval Agency: UL, TUV, CE, RoHS

Application

The Sunon MB60151V3-0000-A99 axial fan is used in network switches, security DVR systems, medical diagnostic equipment, compact power supplies, and small-scale industrial IPCs.

Product Images



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