

MF60151V3-D02C-A99 Sunon 12V 0.90W 60mm 6015 DC Axial Fan

SKU: MF60151V3-D02C-A99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/mf60151v3-d02c-a99-sunon-12v-0-90w-60mm-6015-dc-axial-fan/>

Product Description

The Sunon MF60151V3-D02C-A99 is a precision-engineered DC axial fan featuring the patented MagLev (Magnetic Levitation) motor system and Vapo-Bearing technology. This 60 x 60 x 15 mm unit is optimized for superior thermal management in noise-sensitive industrial environments, delivering a balanced speed of 4100 RPM. Operating at 12 VDC with a power consumption of 0.90 W, it provides consistent airflow and static pressure within a compact housing. The "V3" series utilizes a brushless DC motor design and an aerodynamically efficient 7-blade impeller. The MagLev system eliminates physical contact between the shaft and bearing, ensuring minimal vibration, lower noise levels at 24.9 dB(A), and an extended operational lifespan compared to traditional ball-bearing fans.

MF60151V3-D02C-A99 Fan Parameters

Manufacturer: Sunon

Model Number: MF60151V3-D02C-A99

Type: DC axial fan

Bearing Type: Vapo Bearing (MagLev System)

Nominal Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Starting Voltage: 4.5 VDC

Dimensions: 60 x 60 x 15 mm

Weight: 35.5 g

[Electrical Data]

Input Power: 0.90 W

Nominal Current: 0.075 A

Max. Current: 0.088 A

Nominal Speed: 4100 RPM (Tolerance $\pm 15\%$)

Motor Design: Brushless DC Motor, 4-pole

Speed Control: None (Fixed Speed)

Motor Protection: Auto Restart, Polarity Protection, Locked Rotor Protection

Insulation Resistance: 10M ohm at 500 VDC

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

[Performance & Acoustics]

Max. Air Flow: 18.2 CFM (30.9 m³/h / 0.52 m³/min)

Max. Static Pressure: 3.56 mmH₂O (34.91 Pa / 0.14 inH₂O)

Sound Pressure Level: 24.9 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): 70,000 hours at 40 °C

Standard Compliance: IEC 60950-1, EN 61000-6-1/3

Approval Agency: UL, TUV, CE, RoHS

Application

The Sunon MF60151V3-D02C-A99 axial fan is used in network routers, digital video recorders (DVRs), small power supplies, medical monitoring equipment, industrial control panels, and home automation hubs.

Product Images









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