

MF40071V1-1Q01C-A99 SUNON 12VDC 40x40x7mm Blower Datasheet



Brand: SUNON

SKU: 710751710919

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/mf40071v1-1q01c-a99-sunon-12vdc-40x40x7mm-blower>

Product Description

The SUNON MF40071V1-1Q01C-A99 is a high-precision DC centrifugal blower designed for compact thermal management in space-constrained environments. Operating at a rated 12VDC with a power consumption of 2.21W, this 40x40x7mm industrial cooling fan delivers a concentrated airflow of 2.1 CFM and a significant static pressure of 0.41 inH₂O. Utilizing Sunon's proprietary Vapo Bearing system, the MF40071V1-1Q01C-A99 ensures long-term reliability and quiet operation at 8000 RPM. This ultra-thin 40mm blower is engineered for high-density electronic cooling where directional airflow is critical for maintaining optimal operating temperatures.

Model Number: MF40071V1-1Q01C-A99

Brand: SUNON

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.185 Amps

Power: 2.21 Watts

Rated Speed: 8000 RPM

Bearing Type: Vapo Bearing

Max. Air Flow: 2.1 CFM (0.06 m³/min)

Max. Static Pressure: 0.41 inH₂O (102.1 Pa)

Dimensions: 40x40x7mm

Weight: 15.5g

Life Expectancy: 60,000 Hours at 40C

Noise Level: 34.8 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2 Lead Wires (UL1571, 28AWG)

Operating Temperature: -10 to +70 Celsius

Storage Temperature: -40 to +70 Celsius

Insulation Resistance: 10M ohm at 500VDC

Dielectric Strength: 500VAC for 1 minute

Protection Features: Auto Restart, Polarity Protection

Certifications: CE, TUV, UL, CUR

The SUNON MF40071V1-1Q01C-A99 is specifically designed for integration into ultra-thin laptops, portable medical diagnostic equipment, and compact network routers. Due to its slim 7mm profile, the MF40071V1-1Q01C-A99 excels in handheld devices and micro-projectors where traditional axial fans cannot provide sufficient static pressure. Engineers frequently specify the MF40071V1-1Q01C-A99 for localized cooling of high-performance chipsets and VRM modules in embedded industrial computing systems.

Supplemental Images

