

MMF-06G12ES-FP1 Mitsubishi 12VDC 60x60x25mm 0.19A Axial Fan Datasheet



Brand: Mitsubishi

SKU: [989506874228](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

The Mitsubishi MMF-06G12ES-FP1 is a precision-engineered axial cooling fan designed for high-reliability thermal management in industrial electronics. Utilizing advanced DC motor technology and a durable bearing architecture, this unit ensures consistent airflow delivery while minimizing mechanical vibration and thermal impedance. The aerodynamic impeller geometry is optimized for static pressure generation, making it ideal for dense component cooling within variable frequency drives and power inverters. Constructed with high-rigidity materials, the fan maintains structural integrity under continuous operation, providing a robust solution for critical heat dissipation requirements in demanding automation environments.

Model Number: MMF-06G12ES-FP1

Brand: Mitsubishi Electric

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.19 A

Power Input: 2.28 W

Rated Speed: 4500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 22.0 CFM (37.4 m³/h / 0.62 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.9 Pa / 0.23 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 65 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 34 dBA

Speed Control: Tachometer Output (Pulse Sensor)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Mounting Orientation: Any

Protection: Locked Rotor Protection, Polarity Protection

The MMF-06G12ES-FP1 is specifically engineered for thermal regulation in industrial automation equipment, serving as a critical component in variable frequency drives (VFDs) and servo amplifiers. Its compact 60mm form factor allows for seamless integration into restricted enclosures found in CNC machinery control panels and power supply units. Maintenance professionals frequently utilize the MMF-06G12ES-FP1 for replacing aging cooling units in Mitsubishi inverters to prevent overheating and ensure system longevity. Additionally, this model is suitable for telecommunications racks and medical instrumentation where reliable, continuous air movement is essential for component stability.

Supplemental Images

