

BP602524HM-03 Bi-Sonic 24VDC 60x60x25mm Inverter Axial Fan Datasheet



Brand: Bi-Sonic

SKU: [903542962564](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page:

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Product Description

The Bi-Sonic BP602524HM-03 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics. Utilizing advanced Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The 60mm thermoplastic PBT frame offers superior structural rigidity and flame resistance (UL94V-0), while the aerodynamically optimized impeller reduces turbulence and lowers thermal impedance. Engineered for high-reliability environments, the motor assembly features robust stator windings and efficient commutation, making it an ideal solution for maintaining optimal operating temperatures in variable frequency drives and power supply units.

Model Number: BP602524HM-03

Brand: Bi-Sonic

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.18 A

Power Consumption: 4.32 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 23.5 CFM (39.9 m³/h / 0.66 m³/min)

Max. Static Pressure: 6.35 mmH₂O (62.27 Pa / 0.25 inH₂O)

Dimensions: 60x60x25mm

Weight: 55 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 34.0 dBA

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Dielectric Strength: 500VAC for 1 Min

Insulation Resistance: 10M Ohm at 500VDC

Motor Protection: Impedance Protected / Reverse Polarity

Safety Certifications: UL, cUL, TUV, CE

The BP602524HM-03 is specifically calibrated for high-density electronic enclosures, including variable frequency drives (VFDs) and industrial inverters where consistent airflow is paramount. Its compact 60mm footprint allows for seamless integration into server racks, telecommunication switching gear, and medical instrumentation requiring reliable heat dissipation. By stabilizing thermal conditions, the BP602524HM-03 prevents component degradation in CNC control panels and power supply modules, ensuring system integrity in demanding manufacturing environments.

Supplemental Images

