

AFB0412HHA-AF00 Delta 12V 0.10A High Speed Axial Fan Datasheet



Brand: Delta

SKU: [694125735519](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Description

The Delta AFB0412HHA-AF00 is a high-performance 40mm axial cooling fan designed for precision thermal management in compact electronic assemblies. Featuring a durable ball bearing system and a specialized Frequency Generator (FG) signal output, this model ensures reliable operation and real-time speed monitoring. It delivers optimized airflow while maintaining a low profile, making it suitable for industrial automation, server components, and telecommunications equipment requiring consistent heat dissipation.

Manufacturer: Delta Electronics

Model Number: AFB0412HHA-AF00

Series: AFB

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.10A

Input Power: 1.20W

Nominal Speed: 7000RPM

Max. Air Flow: 8.09 CFM (13.74 m³/h / 0.23 m³/min)

Max. Static Pressure: 5.48 mmH₂O (53.74 Pa / 0.22 inH₂O)

Bearing Type: 2-Ball Bearing

Noise Level: 32.5 dB-A

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire (Lead Wire)

Output Signal: Frequency Generator (Tachometer/RPM Sensor)

Frame Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Dimensions: 40 x 40 x 10 mm

Weight: 14.0g

Safety Certifications: UL, cUL, TUV, VDE, CE

The AFB0412HHA-AF00 is engineered for critical cooling applications where space is limited but reliability is paramount. Its compact 40mm form factor allows for seamless integration into 1U rack-mount servers, network switches, and industrial power supplies. The tachometer output makes it ideal for intelligent cooling systems in medical devices and drive enclosures, where fan failure detection is essential for system safety. Additionally, the robust ball bearing construction supports continuous duty cycles in automation controllers and embedded IPC systems, ensuring the AFB0412HHA-AF00 maintains optimal thermal envelopes under demanding operational conditions.

Supplemental Images

