

EFB0412HHD-BWF Delta 12VDC 40x40x20mm 0.15A Axial Fan Datasheet



Brand: Delta

SKU: [885854483804](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The Delta EFB0412HHD-BWF is a precision-engineered DC axial fan designed for critical thermal management in compact electronic enclosures. Utilizing advanced DC brushless motor technology paired with a robust Two Ball Bearing system, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller geometry is optimized to deliver high static pressure relative to its compact frame, effectively overcoming high thermal impedance in dense circuitry. Constructed with UL94V-0 rated thermoplastic, the EFB0412HHD-BWF maintains structural rigidity and dimensional stability, making it an ideal solution for industrial and telecommunication cooling requirements where reliability is paramount.

Model Number: EFB0412HHD-BWF

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.15 A

Input Power: 1.80 W

Rated Speed: 8200 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 9.43 CFM (16.02 m³/h / 0.26 m³/min)

Max. Static Pressure: 7.17 mmH₂O (70.31 Pa / 0.28 inH₂O)

Dimensions: 40 x 40 x 20 mm

Noise Level: 30.5 dB-A

Weight: 33 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire (Lead Wire)

Sensor Function: Tachometer (Frequency Generator)

Ingress Protection: IP50

Insulation Class: Class A

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Polarity Protection

Certifications: UL, cUL, TUV, CE

The EFB0412HHD-BWF is engineered for high-reliability applications requiring consistent airflow in restricted spaces. Frequently integrated into network switches, server rack power supplies, and industrial automation controllers, the EFB0412HHD-BWF provides efficient heat dissipation for sensitive components. Its compact form factor allows for seamless installation in 1U server chassis, replacement of stock fans in networking gear, and medical instrumentation, ensuring optimal operating temperatures for mission-critical hardware.

Supplemental Images

