EFC-04G12H DWPH 12VDC 40mm 0.50A Axial Fan Datasheet

Brand: DWPH

SKU: 858674235567

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

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Product Page: https://www.equipspares.com/product/efc-04g12h-dwph-12vdc-40mm-0-50a-axial-fan

Product Description

The DWPH EFC-04G12H is a high-density DC Axial Fan engineered for critical thermal management in compact electronic assemblies. Utilizing a robust ball bearing architecture, this unit is designed to withstand continuous operation while minimizing frictional wear and maintaining structural rigidity under high-speed rotation. The aerodynamic impeller profile is optimized to deliver significant static pressure, effectively overcoming the high thermal impedance found in densely packed server racks and power supply units. Operating at a rated voltage of 12VDC with a current draw of 0.50A, the EFC-04G12H provides a powerful cooling solution relative to its form factor. The inclusion of a 3-wire interface allows for tachometer signal monitoring, ensuring precise speed feedback for adaptive system control and failure prevention.

Model Number: EFC-04G12H
Brand: DWPH
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.50 A
Input Power: 6.0 W
Rated Speed: High Speed (Approx. 8000+ RPM)
Bearing Type: Ball Bearing
Dimensions: 40 mm x 40 mm

Termination: 3-Wire (Lead Wires)
Signal Output: Tachometer (FG)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C
Application: CPU, Power Supply, Chassis Cooling
Ingress Protection: Standard

Designed for environments requiring aggressive heat dissipation, the EFC-04G12H is widely utilized in industrial power supplies and compact server chassis where space is at a premium but airflow cannot be compromised. The high static pressure generated by the EFC-04G12H ensures effective cooling for CPU heatsinks and tightly spaced components in telecommunications equipment. Furthermore, this model is frequently deployed in network switches and specialized medical instrumentation, providing the necessary reliability to prevent thermal throttling during peak operational loads.

Supplemental Images