FD4010B12W5-87-2NY COOLTRON 12VDC 40x40x10mm Axial Fan Datasheet

Brand: COOLTRON

SKU: 1007492525107

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/fd4010b12w5-87-2ny-cooltron-12vdc-40x40x10mm-axial-fan

Product Description

The COOLTRON FD4010B12W5-87-2NY is a compact DC Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced DC motor technology paired with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Its 2-wire configuration simplifies integration into standard power circuits, making it a reliable solution for critical cooling applications requiring stable performance.

Model Number: FD4010B12W5-87-2NY
Brand: COOLTRON
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.07 A
Power: 0.84 W
Rated Speed: 5800 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 6.2 CFM (10.5 m^3/h)
Max. Static Pressure: 2.8 mmH_2O (0.11 inH_2O)

Dimensions: 40 x 40 x 10 mm
Weight: 20 g
Life Expectancy: 70,000 Hours at 40°C
Termination: 2-Wire Lead
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any

The FD4010B12W5-87-2NY is specifically designed for integration into compact industrial and consumer electronics where space is at a premium. Common deployment scenarios include cooling chipsets in networking switches, ventilating small form-factor power supplies, and maintaining thermal stability in 3D printer control boards. The FD4010B12W5-87-2NY also serves effectively in medical instrumentation and telecommunications equipment, ensuring reliable heat dissipation for sensitive components.

Supplemental Images