C4010L24BPCB1-7 Pelko 24VDC 40x40x10mm Cooling Fan Datasheet

Brand: PELKO Motors

SKU: 943985073728

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/c4010l24bpcb1-7-pelko-24vdc-40x40x10mm-cooling-fan

Product Description

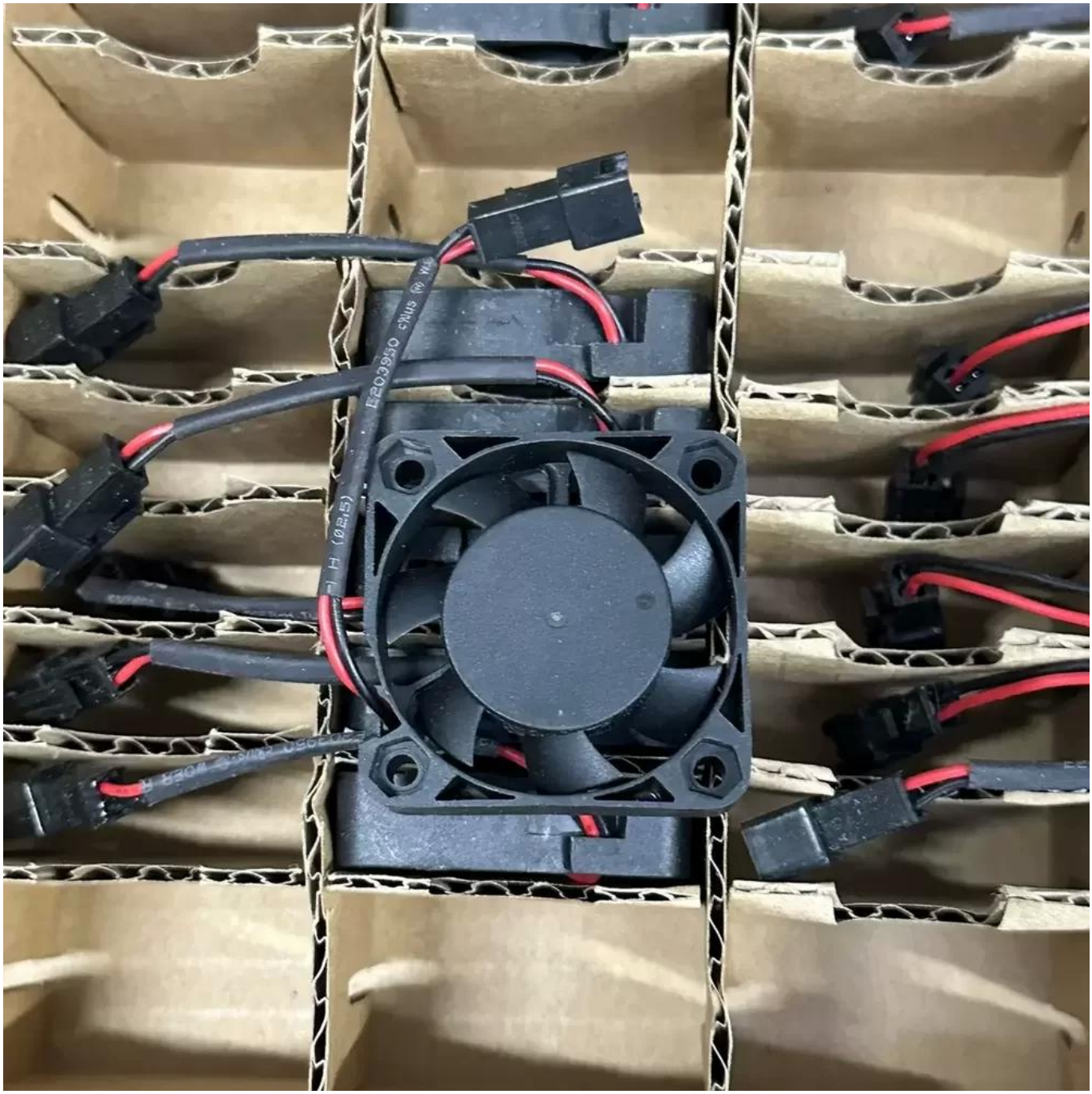
The Pelko C4010L24BPCB1-7 is a precision-engineered DC Axial Fan designed for high-reliability thermal management systems requiring compact form factors. Utilizing advanced DC brushless motor technology coupled with a durable ball bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous loads. The impeller geometry is optimized to reduce turbulence, thereby lowering acoustic noise while maintaining consistent airflow against system resistance. Constructed with high-grade thermoplastic materials, the frame offers superior structural rigidity and resistance to environmental stress. This 24VDC cooling solution effectively mitigates thermal impedance in compact electronic enclosures, ensuring component stability and operational efficiency.

Model Number: C4010L24BPCB1-7
Brand: Pelko Motors
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.06 A
Power: 1.44 W
Rated Speed: 6000 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 6.8 CFM (11.5 m^3/h / 0.19 m^3/min)
Max. Static Pressure: 3.5 mmH_2O (34.3 Pa / 0.14 inH_2O)
Dimensions: 40x40x10mm
Weight: 20 g
Life Expectancy: 50,000 Hours @ 40°C
Noise Level: 26.0 dBA
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Class: Class A
Ingress Protection: IP40
Motor Protection: Impedance Protected; Reverse Polarity

The C4010L24BPCB1-7 is engineered for critical applications requiring compact thermal solutions, such as network switches, small form-factor power supplies, and industrial automation controllers. Its slim profile allows for seamless integration into tight spaces found in medical diagnostic equipment and telecommunications racks. By delivering consistent airflow, the C4010L24BPCB1-7 maintains optimal operating temperatures for sensitive semiconductors, preventing thermal throttling in embedded systems and ensuring the longevity of mission-critical hardware.

Supplemental Images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