

FD124010EB Y.S.TECH 12VDC 40x40x10mm 8000RPM Axial Fan Datasheet



Brand: Y.S.TECH

SKU: 915153550585

Category: Axial & Centrifugal Fans

Price: \$2.99

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Product Page:

<https://www.equipspares.com/product/fd124010eb-y-s-tech-12vdc-40x40x10mm-8000rpm-axial-fan>

Product Description

The Y.S.TECH FD124010EB is a compact DC Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced Everflow Bearing technology, this unit ensures superior structural rigidity and extended operational lifespan compared to traditional sleeve bearing alternatives. The aerodynamic impeller design optimizes airflow delivery while maintaining a manageable acoustic profile, effectively reducing thermal impedance in high-density circuitry. Its robust motor construction provides consistent torque and reliability for continuous duty cycles, ensuring optimal performance in demanding environments.

Model Number: FD124010EB

Brand: Y.S.TECH

Product Type: Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.12 A (Measured 0.09 A)

Input Power: 1.44 W

Rated Speed: 8000 RPM

Bearing Type: Everflow Bearing

Max. Air Flow: 8.60 CFM (14.61 m³/h / 0.24 m³/min)

Max. Static Pressure: 5.84 mmH₂O (57.27 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 10 mm

Noise Level: 32.0 dBA

Housing Material: PBT (UL94V-0)

Termination: 2-Wire Leads (300mm)

Connector: 2-PIN

Operating Temperature: -10°C to +70°C

The FD124010EB is specifically calibrated for integration into consumer and industrial electronics requiring active cooling in compact footprints. Common deployment scenarios include humidifiers and aroma diffusers where consistent airflow is critical for vapor dispersion. Additionally, the FD124010EB acts as an effective thermal solution for small-form-factor 3D printers and additive manufacturing equipment, preventing heat creep in extruder assemblies. Its balanced performance profile also suits chipset cooling in networking hardware and compact power supply units.

Supplemental Images

