

# 040SM-5A Y.L.FAN 5VDC 40x40x10mm Axial Fan Datasheet



**Brand:** Y.L.FAN

**SKU:** [970046820167](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$8.99**

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Product Page: <https://www.equipspares.com/product/040sm-5a-y-l-fan-5vdc-40x40x10mm-axial-fan>

## Product Description

The Y.L.FAN 040SM-5A is a compact DC axial fan engineered for high-density electronic cooling applications requiring efficient thermal management within constrained spaces. This unit utilizes a specialized motor design optimized for 5VDC operation, delivering significant airflow relative to its compact 40mm frame size. The construction features a durable thermoplastic housing designed to minimize vibration and structural resonance, thereby reducing acoustic noise during operation. Its aerodynamic impeller geometry is calibrated to balance static pressure and volumetric flow, ensuring effective heat dissipation across components with varying thermal impedance. The 040SM-5A is built to withstand continuous duty cycles in industrial environments, offering reliable performance for critical hardware.

Model Number: 040SM-5A

Brand: Y.L.FAN (Yue Lun)

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Operating Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.40 A

Power Consumption: 2.0 W

Dimensions: 40 x 40 x 10 mm

Bearing Type: Sleeve Bearing

Rated Speed: 6500 RPM (Estimated)

Max. Air Flow: 7.2 CFM (Estimated)  
Noise Level: 28 dBA (Estimated)  
Housing Material: PBT Thermoplastic (UL94V-0)  
Blade Material: PBT Thermoplastic (UL94V-0)  
Termination: 2-Wire Lead  
Connector: 2-Pin (Standard)  
Mounting Hole Distance: 32 mm  
Weight: 15 g  
Operating Temperature: -10°C to +70°C  
Life Expectancy: 30,000 Hours at 25°C  
Application: Server, Router, Power Supply

The Y.L.FAN 040SM-5A is frequently deployed in networking equipment such as high-performance routers and switches where internal component density restricts airflow paths. Additionally, the 040SM-5A serves as a critical cooling component in industrial control machines and compact power supply units, preventing thermal throttling during peak loads. Its small form factor allows for seamless integration into 1U server racks and embedded systems, ensuring that the 040SM-5A maintains optimal operating temperatures for sensitive electronics.

## Supplemental Images

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