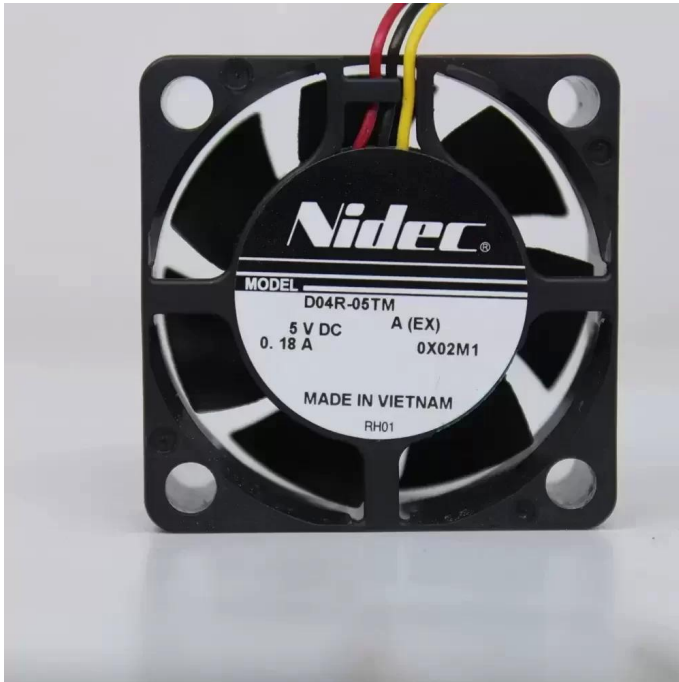


D04R-05TM Nidec 5VDC 40x40x15mm 3-Wire DC Axial Fan Datasheet



Brand: Nidec

SKU: [989839061808](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/d04r-05tm-nidec-5vdc-40x40x15mm-3-wire-dc-axial-fan>

Product Description

The Nidec D04R-05TM is a precision-engineered DC Axial Fan designed to deliver superior thermal management in compact electronic assemblies. Featuring a robust brushless DC motor architecture, this unit ensures consistent rotational stability and reduced electromagnetic interference. The aerodynamic impeller design is optimized to maximize static pressure while minimizing turbulence, effectively lowering the thermal impedance within high-density enclosures. Constructed with a durable thermoplastic frame, the fan maintains structural rigidity under continuous thermal stress. The integration of a 3-wire interface provides critical tachometer feedback, enabling precise speed monitoring and active cooling regulation for sensitive industrial and networking hardware.

Model Number: D04R-05TM

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 5V DC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.18 A

Power Consumption: 0.90 W

Rated Speed: 7200 RPM

Bearing Type: Hydro Wave Bearing

Max. Air Flow: 8.5 CFM (14.4 m³/h / 0.24 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.8 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 15 mm

Weight: 25 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: Tachometer Output (3-Wire)

Noise Level: 31.0 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP20

Certifications: UL, CSA, TUV, CE

The D04R-05TM is extensively utilized in the telecommunications and networking sectors, specifically within enterprise switches and routers requiring reliable active cooling. Its compact 40mm footprint makes the D04R-05TM ideal for 1U rackmount equipment, optical transmission devices, and modular power supply units where airflow paths are restricted. Furthermore, this model is frequently deployed in embedded industrial automation controllers and medical instrumentation. The tachometer signal feature of the D04R-05TM allows system administrators to monitor fan health proactively, preventing thermal shutdowns in mission-critical infrastructure.

Supplemental Images

