04010KA-05N-AA-00 NMB 5V DC Axial Fan 40mm

SKU: 04010KA-05N-AA-00

Price: $9.99

Categories: Fans

Tags: NMB

Product Link:
https://www.elecspares.com/product/04010ka-05n-aa-00-nmb-5v-dc-axial-fan-40mm/

Product Description

The 04010KA-05N-AA-00 is a high-performance DC Axial Fan measuring 40 x 40 x 10 mm. It is designed for a nominal voltage of 5 VDC, with a narrow operating range of 4.5 VDC to 5.5 VDC. This fan utilizes Ball Bearings, delivering an airflow of 10.2 m^3/h (6 CFM) and a static pressure of 46 Pa (0.18 inAq) at a high speed of 6500 RPM. Consuming 0.8 W of power (Rated Current: 0.16 A; Label Current: 0.21 A), the fan features integrated Auto Restart and Polarity Protection, making it a reliable, low-power solution for cooling compact electronics and high-density computing components.

04010KA-05N-AA-00 Fan Parameters
Model: 04010KA-05N-AA-00
Manufacturer: NMB Technologies Corporation
Type: DC Axial Fan
Dimensions: 40 x 40 x 10 mm
Nominal Voltage: 5 VDC
Operating Voltage Range: 4.5 VDC to 5.5 VDC
Rated Current: 0.16 A
Label Current: 0.21 A
Power Consumption: 0.8 W
Speed: 6500 RPM
Airflow: 10.2 m^3/h (0.17 m^3/min / 6 CFM)
Static Pressure: 46 Pa (0.18 inAq)
Noise Level: 29 dB(A)
Weight: 15 g
Bearing Type: Ball Bearing

Life Expectancy (L10): 60,000 hours (at 25 °C)
Frame Material: Plastic (Black), UL 94V-0
Blade Material: Plastic (Black), UL 94V-0
Motor Protection: Auto Restart, Reverse Polarity Protection
Termination: 2 Lead Wires (UL 1061, AWG26, +Red, -Black)
Dielectric Strength: AC 700 V (between lead wire and frame, 1 min)
Insulation Resistance: 10 M$Omega$ min. (at DC 500 V)
Operating Temperature: -10 °C to +70 °C (Non-condensing)
Storage Temperature: -40 °C to +70 °C (Non-condensing)
Approval: UL (E89936), VDE (1507300), RoHS Compliant

Application
The NMB 04010KA-05N-AA-00 fan is a micro-sized, high-speed cooling solution distinguished by its high reliability (60,000 hours L10 at 25 °C) and robust electronic protection. It is typically deployed in applications with limited space and tight power budgets, such as compact routers, small form factor (SFF) devices, network security appliances, embedded industrial controllers, and blade server components.

Product Images


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NMB 7
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