AD4A31K06 Nidec 12VDC 92mm PWM Graphics Cooling Fan Datasheet

Brand: Nidec

SKU: 1010442435471

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad4a31k06-nidec-12vdc-92mm-pwm-graphics-cooling-fan

Product Description

The Nidec AD4A31K06 is a specialized graphics cooling solution designed for high-density thermal management within NVIDIA reference architecture. Engineered with advanced DC motor technology and a precision Fluid Dynamic Bearing (FDB) system, this unit minimizes frictional coefficients while maintaining structural rigidity under thermal stress. The aerodynamic blade profile is optimized to reduce turbulence and lower thermal impedance, ensuring efficient heat dissipation from critical GPU components. Featuring Pulse Width Modulation (PWM) for dynamic speed regulation, the AD4A31K06 balances acoustic performance with static pressure requirements, making it an essential component for maintaining operational stability in high-performance computing environments.

Model Number: AD4A31K06
Brand: Nidec
Product Type: GPU Axial Fan
Rated Voltage: 12VDC
Rated Current: 0.45 A
Power Input: 5.40 W
Bearing Type: Fluid Dynamic Bearing (FDB)
Diameter: 92 mm
Speed Control: PWM (Pulse Width Modulation)
Termination: 6-Pin Soft Ribbon Cable

Mounting Style: 3-Point GPU Mount
Housing Material: Polybutylene Terephthalate (PBT)
Blade Material: Polybutylene Terephthalate (PBT)
Cooling Application: NVIDIA Reference Design
Feature: Silent Operation Profile

The AD4A31K06 is primarily utilized in the thermal management systems of NVIDIA reference design graphics cards, providing critical airflow to heatsink assemblies. Beyond standard gaming hardware, the AD4A31K06 is suitable for workstation GPUs used in rendering farms, CAD processing units, and compact server chassis where specific 92mm mounting and 6-pin ribbon connectivity are required. Its precise PWM control allows for integration into custom cooling loops for legacy hardware maintenance.

Supplemental Images


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