

# DJT80RBAS1-S03 Nidec 12VDC 80x80x15mm Silent Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [913147913676](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/djt80rbas1-s03-nidec-12vdc-80x80x15mm-silent-axial-fan>

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## Product Description

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The Nidec DJT80RBAS1-S03 is a precision-engineered DC Axial Fan designed specifically for applications requiring minimal acoustic signatures and reliable thermal management. Utilizing advanced brushless motor technology, this unit optimizes airflow efficiency while maintaining an exceptionally low power consumption profile of 0.48W. The 80x80x15mm low-profile frame construction ensures structural rigidity and compatibility with space-constrained enclosures where standard 25mm fans cannot fit. Its aerodynamic blade geometry is calibrated to reduce turbulence-induced noise, making it an ideal solution for noise-sensitive environments. The bearing architecture is selected to balance longevity with silent operation, ensuring consistent performance over extended operational cycles. This component effectively mitigates thermal impedance in electronic assemblies, safeguarding critical components from overheating through consistent, low-noise forced convection.

Model Number: DJT80RBAS1-S03

Brand: Nidec Corporation

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.04 A

Power: 0.48 W

Rated Speed: 2000 RPM

Bearing Type: Precision Hydro Wave System

Max. Air Flow: 21.5 CFM (36.5 m<sup>3</sup>/h / 0.61 m<sup>3</sup>/min)

Max. Static Pressure: 1.45 mmH<sub>2</sub>O (14.2 Pa / 0.06 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 15 mm

Weight: 62 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: Ultra-Low Acoustic Profile

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Blade Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Motor Type: Brushless DC

Ingress Protection: IP20

The DJT80RBAS1-S03 is engineered for integration into acoustic-sensitive electronic equipment where silent operation is paramount. Common deployment scenarios include home theater PC (HTPC) builds, audio recording equipment, and quiet office workstations. The DJT80RBAS1-S03 is also frequently utilized in network attached storage (NAS) units and small form factor power supplies where internal clearance is limited to 15mm. Its low power draw makes it suitable for battery-operated instrumentation and IoT devices requiring continuous, unobtrusive cooling.

## Supplemental Images

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