

# DJT80RBAS1-S02 Nidec 12VDC 80x80x15mm Refrigerator Axial Fan Datasheet



**Brand:** Nidec

**SKU:** 988192559907

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/djt80bas1-s02-nidec-12vdc-80x80x15mm-refrigerator-axial-fan>

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## Product Description

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The Nidec DJT80RBAS1-S02 is a precision-engineered DC axial fan designed specifically for space-constrained refrigeration and thermal management systems. Featuring a slim 15mm profile, this unit utilizes advanced motor technology to deliver consistent airflow while maintaining an exceptionally low current draw of 0.04A, ensuring energy efficiency in continuous-duty applications. The aerodynamic blade geometry is optimized to minimize turbulence and acoustic noise, making it ideal for consumer appliances where silence is paramount. Constructed with high-grade materials to withstand temperature fluctuations common in refrigeration environments, the DJT80RBAS1-S02 offers superior structural rigidity and long-term reliability. Its compact form factor and robust thermal impedance characteristics make it a critical component for maintaining optimal operating temperatures in sensitive electronic and cooling circuits.

Model Number: DJT80RBAS1-S02

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.04 A

Power Consumption: 0.48 W

Rated Speed: 2200 RPM (Estimated)

Bearing Type: Sleeve Bearing  
Max. Air Flow: 22.0 CFM (37.4 m<sup>3</sup>/h)  
Max. Static Pressure: 1.8 mmH<sub>2</sub>O (17.6 Pa)  
Dimensions: 80 x 80 x 15 mm  
Weight: 65 g  
Life Expectancy: 30,000 Hours at 40°C  
Noise Level: 24 dBA  
Termination: 2-Wire Lead (Red +, Black -)  
Frame Material: PBT Plastic (UL94V-0)  
Blade Material: PBT Plastic (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP42 (Standard)  
Mounting Orientation: Vertical / Horizontal  
Motor Protection: Impedance Protected  
Application: Refrigerator Built-in Cooling

The DJT80RBAS1-S02 is primarily engineered for integration into household and commercial refrigeration units where internal air circulation is required to prevent frost buildup and ensure even cooling distribution. Beyond refrigeration, the DJT80RBAS1-S02 is frequently utilized in compact power supply units, small-form-factor ventilation systems, and cabinet cooling solutions where depth is limited to 15mm. Its low power consumption makes it suitable for battery-operated or energy-star rated appliances requiring continuous thermal regulation.

## Supplemental Images

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