

D07F-12SG Nidec 12V 0.23A DC Blower Fan

SKU: D07F-12SG

Price: \$9.99

Categories: Fans

Tags: Nidec

Product Link:

<https://www.electspares.com/product/d07f-12sg-nidec-12v-0-23a-dc-blower-fan/>

Product Description

The Nidec D07F-12SG is a DC Blower Fan (Centrifugal Blower) with a larger, robust dimension of 75 x 75 x 30 mm. It operates on a nominal voltage of 12 VDC. The blower achieves a speed of 3600 RPM, consuming 2.76 W of power and drawing a maximum current of 0.23 A. It delivers a maximum air flow of 15.0 m³/h (8.83 CFM) and a high maximum static pressure of 85.0 Pa (0.34 inAq). This fan features a durable Ball Bearing system and is ideal for targeted cooling in industrial equipment and systems requiring a deep-profile, high-pressure fan.

D07F-12SG Fan Parameters

Model: D07F-12SG

Manufacturer: Nidec Corporation

Type: DC Blower Fan (Centrifugal Blower)

Dimensions (measuring): 75 x 75 x 30 mm

Nominal Voltage: 12 VDC

Voltage Range: 10.8 VDC ~ 13.2 VDC

Speed: 3600 RPM

Power Consumption: 2.76 W

Current Draw: 0.23 A

Max. Airflow: 15.0 m³/h (8.83 CFM)

Max. Static Pressure: 85.0 Pa (0.34 inAq)

Noise Level: 38 dB(A)

Weight: 0.045 kg

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Number of Blades: 7

Bearing Type: Ball Bearing

Motor Design: Brushless DC Motor

Motor Protection: Locked Rotor Protection, Auto-Restart

Termination: 3 Wire Leads

Monitor Output: Yes (Tachometer/FG)

Service Life L10 at 40 °C: 50000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Approvals: UL, CE

Application

The Nidec D07F-12SG blower, with its deep 30 mm profile, is designed for high-pressure applications in industrial control systems, medical equipment, and telecommunication devices where efficient forced air movement through complex pathways is crucial.

Product Images



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