

PUDC12H4-043 Servo 12VDC 0.32A 80x80x25mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$25.99**

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Product Description

The Japan Servo PUDC12H4-043 is a precision-engineered Axial Fan designed for demanding thermal management applications within the industrial sector. Belonging to the renowned DC Pixie25 III series, this unit features a robust Double Ball Bearing architecture that ensures low thermal impedance and exceptional structural rigidity under continuous operation. The aerodynamic blade design is optimized to deliver high airflow while maintaining acoustic stability, making it a reliable solution for dissipating heat in high-density electronic environments. This 12VDC cooling component is built to withstand rigorous operational cycles, ensuring the longevity and efficiency of critical systems.

Model Number: PUDC12H4-043

Brand: Japan Servo (Nidec)

Product Type: Axial Fan

Series: DC Pixie25 III

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.32 A

Power: 3.8 W

Rated Speed: 3400 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 40.6 CFM (69.0 m³/h / 1.15 m³/min)

Max. Static Pressure: 4.8 mmH₂O (47.1 Pa / 0.19 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 60000 Hours at 40°C

Termination: 3-Wire with Connector

Speed Control: Tachometer Output

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Mounting Orientation: Any

The PUDC12H4-043 is engineered for direct integration into variable frequency drive (VFD) inverters and industrial power supply units where reliable thermal regulation is critical. Additionally, the PUDC12H4-043 is frequently utilized in server rack cooling, CNC machinery control panels, and telecommunications equipment, providing consistent airflow to prevent component overheating in enclosed spaces.

Supplemental Images

