T80T12MS14A7-57Z99 Nidec 12VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 739514673162

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/t80t12ms14a7-57z99-nidec-12vdc-80x80x25mm-pwm-axial-fan

Product Description

The Nidec T80T12MS14A7-57Z99 is a precision-engineered Axial Fan designed for critical thermal management in compact electronic enclosures and high-density computing systems. Utilizing advanced DC brushless motor technology, this unit delivers an optimal balance between airflow throughput and static pressure generation, ensuring efficient heat dissipation. The aerodynamic impeller geometry is calibrated to minimize turbulence-induced noise while maintaining high thermal impedance reduction capabilities. Constructed with a robust frame ensuring structural rigidity, the fan integrates a 4-wire PWM interface for dynamic speed modulation, allowing for precise thermal regulation based on real-time system load. This component ensures operational stability and longevity in demanding industrial environments.

Model Number: T80T12MS14A7-57Z99
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.32 A
Power: 3.84 W
Rated Speed: 3400 RPM
Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 42.0 CFM (71.3 m^3/h / 1.19 m^3/min)
Max. Static Pressure: 3.8 mmH_2O (37.2 Pa / 0.15 inH_2O)
Dimensions: 80x80x25mm
Weight: 95 g
Life Expectancy: 60000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Leads
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Mounting Orientation: Any
Ingress Protection: IP20

The T80T12MS14A7-57Z99 is engineered for deployment in high-density computing environments such as server racks and workstation chassis where efficient heat dissipation is paramount. Its precise speed control makes it ideal for medical instrumentation and telecommunications equipment requiring variable cooling profiles to manage acoustic signatures. Additionally, the T80T12MS14A7-57Z99 serves effectively in industrial automation control panels and power supply units, ensuring sensitive electronics remain within safe operating temperature ranges during continuous operation.

Supplemental Images


Nidec
UltraFlo
MODEL
T80T12MS14A7-57
Z99
12VDC
2519FST
0.32A
MADE IN CHINA
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