

T80E14MS1A7-57A611 Nidec 13.6VDC 80x80x38mm Waterproof Axial Fan Datasheet



Brand: Nidec

SKU: [989735895849](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/t80e14ms1a7-57a611-nidec-13-6vdc-80x80x38mm-waterproof-axial-fan>

Product Description

The Nidec T80E14MS1A7-57A611 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high reliability and acoustic optimization. Utilizing advanced motor technology, this unit minimizes thermal impedance while maintaining exceptional structural rigidity under continuous operation. The aerodynamic blade geometry is calibrated to deliver consistent airflow, effectively dissipating heat in constrained environments. Featuring a robust housing and specialized ingress protection, the T80E14MS1A7-57A611 ensures operational stability and longevity, making it an ideal solution for systems demanding low-noise performance without compromising cooling efficiency.

Model Number: T80E14MS1A7-57A611

Brand: Nidec Corporation

Product Type: DC Axial Fan

Rated Voltage: 13.6 VDC

Voltage Range: 10.0 - 16.0 VDC

Rated Current: 0.13 A

Input Power: 1.77 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 35.5 CFM (60.3 m³/h / 1.00 m³/min)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa / 0.15 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 180 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 29.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Ingress Protection: IP55 (Waterproof)

Insulation Class: Class A

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 4-Wire Leads with Connector

Wire Configuration: Red (+), Black (-), Yellow (Sensor), Blue (PWM)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Certifications: UL, cUL, TUV, CE

The Nidec T80E14MS1A7-57A611 is engineered for versatile deployment in sophisticated industrial and automotive electronics. Its specific voltage rating and waterproof construction make the T80E14MS1A7-57A611 particularly suitable for cooling telecommunications base stations, outdoor power supplies, and automotive infotainment systems where moisture resistance is paramount. Additionally, the low-noise profile allows for integration into medical instrumentation and office-adjacent server racks, ensuring reliable thermal regulation in noise-sensitive environments.

Supplemental Images

