

U40R12MS1B5-57K09 Nidec 12VDC 40x40x13mm Silent Axial Fan Datasheet



Brand: Nidec

SKU: [760838776892](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/u40r12ms1b5-57k09-nidec-12vdc-40x40x13mm-silent-axial-fan>

Product Description

The Nidec U40R12MS1B5-57K09 is a precision-engineered axial fan designed for applications requiring minimal acoustic signatures and reliable thermal management. Utilizing Nidec's advanced motor technology, this unit operates at a nominal 12VDC with an exceptionally low current draw of 0.04A, ensuring energy efficiency and reduced thermal impedance within the system. The 40mm frame is constructed for structural rigidity, housing an aerodynamic impeller optimized for silent operation. This component is ideal for sensitive electronic environments where noise pollution must be mitigated without compromising airflow stability.

Model Number: U40R12MS1B5-57K09

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Rated Current: 0.04A

Power Consumption: 0.48W

Dimensions: 40x40x13mm

Termination: 4-Wire (PWM/Tach Support)

Acoustic Profile: Ultra-Quiet / Silent

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Bearing Type: Precision Sleeve / Hydro Dynamic

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Application: Electronic Cooling

The U40R12MS1B5-57K09 is frequently deployed in compact electronic assemblies where space is at a premium and acoustic performance is critical. Common integration points include small form factor DVRs, home theater PC builds, and precision medical instrumentation requiring low-vibration cooling. The U40R12MS1B5-57K09 ensures consistent airflow across heat sinks and sensitive components, maintaining optimal operating temperatures in telecommunications equipment and network switches.

Supplemental Images

