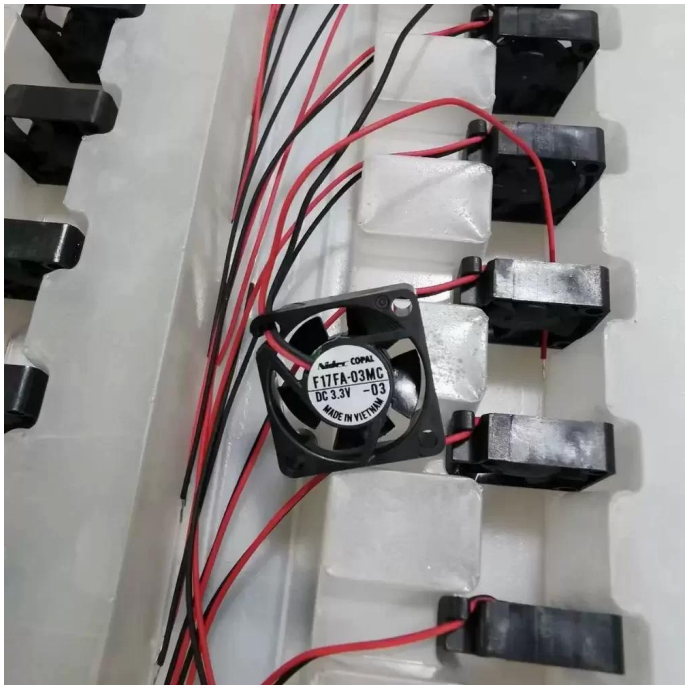
F17FA-03MC Nidec 5VDC 17x17x5mm Miniature Axial Fan Datasheet



Brand: Nidec

SKU: 815414157918

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/f17fa-03mc-nidec-5vdc-17x17x5mm-miniature-axial-fan

Product Description

The Nidec F17FA-03MC is a Micro Axial Fan engineered for precision thermal management in ultra-compact electronic assemblies. Utilizing Nidec's advanced micro-motor technology, this unit delivers consistent airflow while maintaining minimal vibrational noise, a critical factor in handheld and optical device applications. The rotor architecture features an optimized blade geometry designed to maximize static pressure within the confined 17mm footprint, ensuring efficient heat dissipation through dense component clusters. Constructed with high-grade thermoplastic, the housing offers superior structural rigidity and thermal stability, making it an ideal solution for applications requiring high reliability in restricted spaces.

Model Number: F17FA-03MC
Brand: Nidec
Product Type: Micro Axial Fan
Rated Voltage: 5 VDC
Voltage Range: 3.3 - 5.5 VDC
Rated Current: 0.06 A
Power: 0.3 W
Rated Speed: 8500 RPM
Bearing Type: Hydro Bearing
Max. Air Flow: 0.55 CFM (0.93 m^3/h / 0.015 m^3/min)

Max. Static Pressure: 1.8 mmH_2O (17.6 Pa / 0.07 inH_2O)
Dimensions: 17 x 17 x 5 mm
Weight: 1.5 g
Life Expectancy: 30000 Hours at 40°C
Noise Level: 18 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10 to +60 °C
Storage Temperature: -20 to +70 °C
Mounting Orientation: Any

The F17FA-03MC is specifically designed for integration into ultra-portable and miniature electronic devices where space is at an absolute premium. Common deployment scenarios include cooling for micro-projectors, VR/AR headsets, and compact sensor arrays in industrial automation equipment. Additionally, the F17FA-03MC is frequently utilized in single-board computer enclosures and handheld medical diagnostic tools, providing essential airflow to prevent thermal throttling in high-density processing units.