

# UF3H3-700 SUNON 3VDC 17x17x3mm Vapo Bearing Micro Fan Datasheet



**Brand:** SUNON

**SKU:** [848425385874](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

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Product Page:

<https://www.equipspares.com/product/uf3h3-700-sunon-3vdc-17x17x3mm-vapo-bearing-micro-fan>

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## Product Description

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The SUNON UF3H3-700 is a Mighty Mini Fan engineered for ultra-compact thermal management solutions within the micro-electronics sector. Utilizing SUNON's proprietary Vapo bearing technology, this micro axial fan delivers exceptional structural rigidity and minimal friction, ensuring operational longevity even in restricted spatial envelopes. The unit operates on a highly efficient low-voltage DC architecture, optimized for portable electronics and precision instrumentation. Its aerodynamic impeller design maximizes airflow efficiency while maintaining a low acoustic profile, effectively addressing the critical thermal impedance challenges found in modern miniaturized circuitry, drone avionics, and mobile computing devices.

Model Number: UF3H3-700

Brand: SUNON

Product Type: Micro Axial Fan

Series: Mighty Mini

Rated Voltage: 3VDC

Voltage Range: 2.0 - 3.5 VDC

Rated Current: 0.037 A

Power Consumption: 0.11 W

Rated Speed: 13000 RPM

Bearing Type: Vapo Bearing

Max. Air Flow: 0.63 CFM (1.07 m<sup>3</sup>/h / 0.017 m<sup>3</sup>/min)

Max. Static Pressure: 2.65 mmH<sub>2</sub>O (26.0 Pa / 0.10 inH<sub>2</sub>O)

Dimensions: 17x17x3mm

Weight: 1.3 g

Noise Level: 20.4 dBA

Ingress Protection: IP55

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Housing Material: Thermoplastic LCP (UL94V-0)

Blade Material: Thermoplastic LCP (UL94V-0)

Termination: Lead Wires (UL1571 AWG32)

Life Expectancy: 30,000 Hours at 40°C

Motor Protection: Impedance Protected

Direction of Rotation: Counter-clockwise viewed from front of fan blade

The UF3H3-700 is specifically designed for ultra-portable and space-constrained applications requiring reliable active cooling. Its lightweight profile makes it ideal for UAVs and micro-drones, preventing overheating in flight controllers and video transmission modules without compromising flight time. Additionally, the UF3H3-700 serves effectively in handheld medical devices, mobile projectors, VR/AR goggles, and compact IoT sensors where traditional cooling solutions cannot fit due to size limitations.

## Supplemental Images

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