

VF38561BX-Q010-S9H SUNON 12VDC 38x56mm Counter Rotating Fan Datasheet



Brand: SUNON

SKU: 695481723590

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/vf38561bx-q010-s9h-sunon-12vdc-38x56mm-counter-rotating-fan>

Product Description

The SUNON VF38561BX-Q010-S9H is a high-performance Counter Rotating Fan designed for extreme thermal management applications requiring exceptional static pressure. Engineered with a dual-motor architecture, this unit integrates two impellers rotating in opposite directions to straighten airflow and significantly minimize flow separation, thereby maximizing aerodynamic efficiency against high system impedance. The robust 38x38x56mm frame houses a precision 4-ball bearing system, ensuring structural rigidity and prolonged operational stability under the intense torque generated by the 25.20W motor assembly. This DC cooling solution is optimized for high-density environments where overcoming substantial back pressure is critical for maintaining component reliability.

Model Number: VF38561BX-Q010-S9H

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Product Type: DC Counter Rotating Fan (Dual Motor)

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Power Consumption: 25.20 W

Rated Current: 2.10 A

Bearing Type: 4 Ball Bearings (Dual Ball per Motor)

Dimensions: 38 x 38 x 56 mm

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Termination: 8-Wire Leads

Motor Structure: Dual Brushless DC Motor

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Rating Standard

Operating Temperature: -10 to +70 Degrees Celsius

Mounting Orientation: Any

Application: High Static Pressure Server Cooling

The VF38561BX-Q010-S9H is specifically engineered for mission-critical hardware architectures such as 1U server racks and high-density blade servers where space is constrained and airflow resistance is high. Its counter-rotating design makes the VF38561BX-Q010-S9H ideal for cooling high-TDP CPUs and GPUs within precision medical instrumentation, telecommunications base stations, and advanced network switches. The fan effectively forces air through dense heatsinks and restricted chassis channels, ensuring optimal thermal regulation in continuous-duty industrial environments.

Supplemental Images

