

BSB05505HP-SMY0M Delta 5VDC 0.40A 4-Wire Blower Fan Datasheet



Brand: Delta

SKU: 701566442003

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Page:

<https://www.equipspares.com/product/bsb05505hp-smy0m-delta-5vdc-0-40a-4-wire-blower-fan>

Product Description

The Delta BSB05505HP-SMY0M is a specialized DC Blower Fan engineered for compact thermal management within high-density computing environments. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow with optimized static pressure to overcome the high thermal impedance found in small form factor chassis. The aerodynamic impeller design minimizes turbulence while maintaining structural rigidity under thermal stress. Featuring a 4-wire PWM interface, it allows for precise speed modulation, ensuring an optimal balance between acoustic performance and cooling efficiency. This component is specifically calibrated for stability and longevity in restricted airflow applications.

Model Number: BSB05505HP-SMY0M

Brand: Delta Electronics

Product Type: DC Centrifugal Blower

Rated Voltage: 5 VDC

Rated Current: 0.40 A

Input Power: 2.00 W

Termination: 4-Wire Assembly

Connector Type: 4-Pin PWM Compatible

Speed Control: PWM (Pulse Width Modulation)

Bearing Type: Precision Bearing System

Max. Air Flow: OEM Optimized (Application Specific)
Max. Static Pressure: OEM Optimized (High Pressure Design)
Application Compatibility: Intel NUC 4 / 5 / 6 / 7 Generations
Motor Type: DC Brushless
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10 to +70 Degrees Celsius
Life Expectancy: 50,000 Hours at 40 Degrees Celsius
Protection: Locked Rotor Protection, Polarity Protection
Mounting Configuration: OEM Custom Form Factor

The BSB05505HP-SMY0M is primarily utilized as a critical cooling component for Intel NUC (Next Unit of Computing) systems, specifically covering generations 4, 5, 6, and 7. Its compact blower design allows it to fit seamlessly into the tight confines of mini-PC chassis, directing heat away from the CPU and chipset heatsinks. Beyond consumer electronics, the BSB05505HP-SMY0M is suitable for specialized industrial embedded systems and compact IoT gateways where reliable, PWM-controlled active cooling is required to maintain operational stability.

Supplemental Images

