

AY02705UB105000 ADDA 5VDC 0.30A DC Blower Fan Datasheet

**Brand:** ADDA**SKU:** 1014667356027**Category:** Axial & Centrifugal Fans**Price:** \$1.99**E-mail:** sales@equipspares.com**Web:** <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/ay02705ub105000-adda-5vdc-0-30a-dc-blower-fan>

Product Description

The ADDA AY02705UB105000 is a specialized DC Blower Fan designed for precision thermal management in compact electronic assemblies and high-density hardware. Engineered with a robust Double Ball Bearing architecture, this unit ensures exceptional rotational stability and longevity, significantly outperforming sleeve bearing alternatives in continuous-duty applications. The aerodynamic centrifugal impeller is optimized to deliver concentrated static pressure, making it ideal for overcoming the high thermal impedance found in dense heatsink arrays and restricted enclosures. Its 5VDC motor architecture provides efficient operation with a power draw of 1.50W, balancing high-velocity airflow with structural rigidity and reliability.

Model Number: AY02705UB105000

Brand: ADDA

Product Type: DC Centrifugal Blower

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.30 A

Power Consumption: 1.50 W

Bearing Type: Double Ball Bearing

Rated Speed: 5500 RPM (Nominal)

Max. Air Flow: 3.8 CFM (6.45 m³/h / 0.10 m³/min)

Max. Static Pressure: 0.45 inH₂O (112 Pa / 11.4 mmH₂O)

Noise Level: 34.0 dB(A)

Termination: 4-Wire Leads (PWM Control)

Connector Type: 4-Pin Mini Connector

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours @ 40°C

Ingress Protection: IP40

Safety Certifications: CE, UL, TUV, RoHS

The AY02705UB105000 is frequently utilized in high-density computing environments such as Intel NUC mini-PCs, compact server nodes, and specialized industrial control units where space is at a premium. Its compact blower form factor allows for directed airflow in tight chassis configurations, effectively cooling processors and power management components in medical devices and portable instrumentation. Integrators rely on the AY02705UB105000 for its durability and consistent cooling performance in mission-critical hardware applications.

Supplemental Images

