BNTA1025B2H-P009 AVC 12VDC 0.66A 100x25mm Blower Fan Datasheet

Brand: AVC

SKU: 916618520562

Category: Axial & Centrifugal Fans

Price: **$27.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/bnta1025b2h-p009-avc-12vdc-0-66a-100x25mm-blower-fan

Product Description

The AVC BNTA1025B2H-P009 is a specialized Centrifugal Blower designed for high-static pressure applications requiring focused airflow in restricted environments. Engineered with a robust DC motor architecture, this unit features a dual ball bearing system that significantly enhances rotational stability and longevity under continuous high-speed operation. The aerodynamic design of the turbine impeller minimizes turbulence while maximizing air throughput, ensuring optimal thermal impedance management within enclosed chassis. Constructed with high-grade materials for structural rigidity, the BNTA1025B2H-P009 delivers reliable performance in demanding industrial environments, effectively dissipating heat from critical components through its precision-engineered exhaust mechanism.

Model Number: BNTA1025B2H-P009
Brand: AVC (Asia Vital Components)
Product Type: Centrifugal Blower / Turbine Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.66 A
Power Consumption: 7.92 W (Max) / ~5.0 W (Nominal)
Rated Speed: 4200 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.5 CFM (Estimated)
Max. Static Pressure: 18.5 mmH_2O (Estimated)
Dimensions: Ø100mm x 25mm (Thickness)
Mounting Holes: 47mm Spacing (M4 Thread)
Termination: 3-Wire (Lead wires with 2.54mm Pitch Connector)
Speed Control: Tachometer Output (Speed Sensor)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C

The BNTA1025B2H-P009 is engineered for precision cooling in space-constrained electronics where directed airflow is paramount. Common implementations include server rack cooling modules, industrial projectors, and medical instrumentation requiring consistent thermal regulation. The high static pressure generated by the BNTA1025B2H-P009 makes it ideal for pushing air through dense heatsinks or restricted ducts in telecommunications equipment and CNC control systems, ensuring component longevity by preventing thermal saturation.

Supplemental Images


AVC
MODEL: BNTA1025B2H
DC 12V 0.66A P009
BALL BEARING