BAZA0812R2UP003 AVC 12V 80x80x15mm Blower Centrifugal Datasheet

Brand: AVC

SKU: 685112330259

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/baza0812r2up003-avc-12v-80x80x15mm-blower-centrifugal

Product Description

The AVC BAZA0812R2UP003 is a 12VDC 80x80x15mm centrifugal blower optimized for high-density thermal management in ultra-small form factor (USFF) computing environments. Engineered with a sophisticated DC brushless motor and high-precision bearing architecture, this blower addresses the critical thermal impedance found in restricted enclosures. Its aerodynamic impeller design is specifically tuned to deliver a high-velocity concentrated airstream, operating at a rated speed of 6300 RPM with a 0.7A current draw. This ensures structural rigidity and stable performance under high static pressure demands, making it an essential component for maintaining system stability in Dell Optiplex micro-chassis configurations where airflow resistance is significant.

Model Number: BAZA0812R2UP003
Brand: AVC
Product Type: Centrifugal Blower Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.7 A
Power: 8.4 W
Rated Speed: 6300 RPM
Bearing Type: Hydraulic / Dual Ball Bearing
Max. Air Flow: 12.5 CFM (approximate based on RPM/Dimensions)

Max. Static Pressure: 18.5 mmH2O (estimated for high-speed blower profile)
Dimensions: 80 x 80 x 15 mm
Weight: 65 g
Life Expectancy: 50,000 hours at 40 C
Speed Control: 4-Wire PWM (Pulse Width Modulation)
Signal Output: Tachometer / Frequency Generator
Termination: 4-Pin Connector
Housing Material: UL94V-0 Reinforced Plastic
Blade Material: UL94V-0 Reinforced Plastic
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Part Number Compatibility: 9KXG7:X01

BAZA0812R2UP003 Applications

1. Dell Optiplex 7080MFF/7090MFF Maintenance: Direct replacement fan designed to match the specific PWM curve and mounting geometry of Dell Micro Form Factor chassis to prevent thermal throttling.
2. Low-Profile Discrete GPU Cooling: Ideal for cooling low-voltage discrete graphics modules in compact workstations where vertical clearance is limited to 15mm.
3. High-Impedance DIY Enclosures: Optimized for custom small-form-factor (SFF) builds requiring a high-RPM blower to force air through dense fin-stack heat sinks or restrictive dust filtration.

Supplemental Images