6025BVH-M1 BeCool 12VDC 0.55A 60x60x25mm Axial Fan Datasheet

SKU: 570565421123

Category: Axial & Centrifugal Fans

Price: **$16.99**

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https://www.equipspares.com/product/6025bvh-m1-becool-12vdc-0-55a-60x60x25mm-axial-fan

Product Description

BeCool 6025BVH-M1 is a 12VDC 60x60x25mm Axial Fan optimized for high-density thermal management in space-constrained enclosures. This unit features a high-efficiency DC brushless motor and a dual ball bearing architecture designed to minimize mechanical friction and extend service life under continuous duty cycles. The aerodynamic impeller is engineered to reduce thermal impedance by maintaining high static pressure against restrictive airflow paths. Operating at a rated current of 0.55A, this fan delivers significant cooling power for its compact footprint, making it an ideal solution for industrial power supplies and server chassis where structural rigidity and vibration dampening are critical for system stability.

Model Number: 6025BVH-M1
Brand: BeCool
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.55 A
Power: 6.6 W
Rated Speed: 6800 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 38.5 CFM (65.4 m^3/h)

Max. Static Pressure: 12.4 mmH_2O (121.6 Pa)
Dimensions: 60 x 60 x 25 mm
Weight: 65 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM Signal Control
Feedback: Tachometer / Frequency Generator
Termination: 4-Wire Lead Wires
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Insulation Class: Class A
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection

6025BVH-M1 Applications

1. 1U/2U Server Enclosures: The high RPM and static pressure profile allow this unit to overcome the high system impedance found in densely packed rackmount chassis, serving as a high-reliability replacement fan for enterprise networking hardware.
2. Industrial Power Supplies: Optimized for cooling high-wattage SMPS units where consistent airflow is required to prevent thermal throttling of internal capacitors and MOSFETs.
3. Precision CNC Controllers: The dual ball bearing design provides the low-vibration operation necessary for maintaining the accuracy of sensitive optical and electronic components in automated machining environments.

Supplemental Images