AD1224MB-Y51 ADDA 24VDC 120x32mm 2-Wire Axial Fan Datasheet

Brand: ADDA

SKU: 985517169035

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad1224mb-y51-adda-24vdc-120x32mm-2-wire-axial-fan

Product Description

The ADDA AD1224MB-Y51 is a DC Axial Fan engineered for robust thermal management in demanding industrial environments. Utilizing a precision Ball Bearing architecture, this unit ensures reduced friction coefficients and extended operational longevity under continuous load conditions. The 24VDC motor assembly is housed within a reinforced thermoplastic frame, designed to optimize aerodynamic throughput while maintaining exceptional structural rigidity. This cooling solution effectively lowers thermal impedance in high-density electronic enclosures, balancing airflow performance with acoustic efficiency to meet rigorous reliability standards.

Model Number: AD1224MB-Y51
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.22 A
Power Consumption: 5.28 W
Rated Speed: 2500 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 88.0 CFM (149.5 m^3/h)
Max. Static Pressure: 8.2 mmH_2O (80.4 Pa)

Dimensions: 120 x 120 x 32 mm
Weight: 230 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 42.5 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, CUL, TUV, CE

Designed for critical cooling applications, the AD1224MB-Y51 is frequently integrated into server rack enclosures, telecommunications cabinets, and industrial automation control panels where consistent thermal dissipation is mandatory. The AD1224MB-Y51 provides reliable airflow for power supply units and CNC machinery, ensuring optimal operating temperatures for sensitive electronic components in 24/7 operational cycles.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD1224MB-Y51
DC 24V
0.22A (DL2NCQSX)
ZP
ADDA CORP.
AB
K
MADE IN CHINA