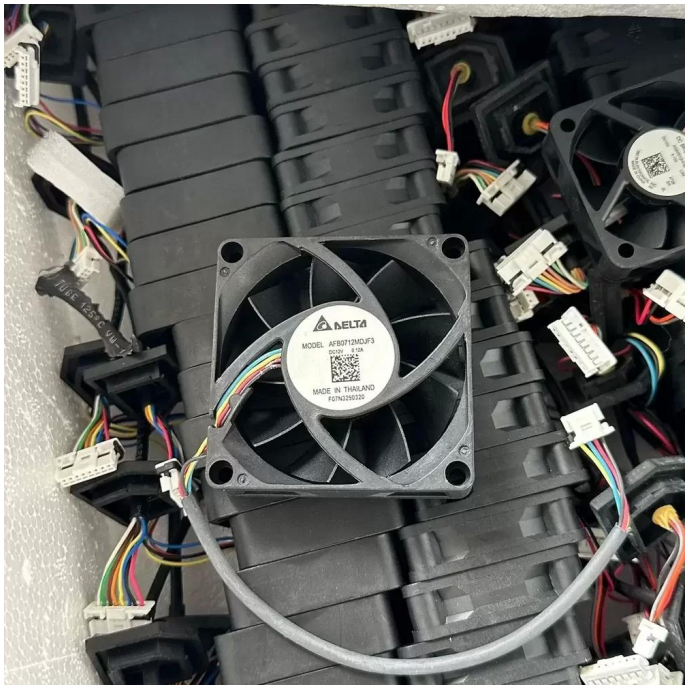
AFB0712MDJF3 Delta 12VDC 70x70x20mm 0.12A Axial Fan Datasheet



Brand: Delta

SKU: 954574326674

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/afb0712mdjf3-delta-12vdc-70x70x20mm-0-12a-axial-fan

Product Description

The Delta AFB0712MDJF3 is a precision-engineered Axial Fan designed for critical thermal management applications requiring consistent airflow and modulation. Utilizing advanced DC motor technology coupled with a dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The impeller features an optimized aerodynamic profile to reduce turbulence while maintaining high static pressure capabilities. Constructed with high-grade thermoplastic to ensure structural rigidity, the fan integrates 4-wire PWM speed control, allowing for dynamic duty cycle adjustments to balance thermal impedance against acoustic performance in sensitive electronic environments.

Model Number: AFB0712MDJF3
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.12 A
Power: 1.44 W
Rated Speed: 3300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 28.5 CFM (48.4 m^3/h / 0.81 m^3/min)

Max. Static Pressure: 3.20 mmH_2O (31.38 Pa / 0.13 inH_2O)
Dimensions: 70x70x20mm
Weight: 68 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: 4-Wire PWM
Noise Level: 31.0 dB-A
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Termination: 4 Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Safety Certifications: UL, cUL, TUV, CE

This cooling solution is engineered for integration into compact electronic assemblies where precise temperature regulation is paramount. Common deployments include mid-sized server chassis, telecommunications switching gear, and industrial automation control panels. The AFB0712MDJF3 excels in environments requiring variable speed operation to manage heat dissipation during peak processing loads. Furthermore, the AFB0712MDJF3 is frequently utilized in medical instrumentation and network attached storage (NAS) units, providing reliable air exchange to protect sensitive components from thermal degradation.

Supplemental Images


TUBE 125°C VW-1