AMB050015-03-CFA AMO 5VDC 50x50x15mm 3-Wire Blower Fan Datasheet

SKU: 675597747491

Category: Axial & Centrifugal Fans

Price: **$23.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/amb050015-03-cfa-amo-5vdc-50x50x15mm-3-wire-blower-fan

Product Description

The AMO AMB050015-03-CFA is a specialized DC Blower Fan engineered for precision thermal management in compact automotive applications. Featuring a robust DC brushless motor architecture, this unit delivers consistent airflow with optimized static pressure to overcome the high thermal impedance found in LED headlight assemblies and projector lenses. The 50x50x15mm form factor ensures structural rigidity while maintaining a low profile, making it ideal for space-constrained enclosures. Its 3-wire interface supports speed monitoring or alarm signal integration, ensuring critical component cooling reliability under varying operational loads and environmental conditions.

Model Number: AMB050015-03-CFA
Brand: AMO
Product Type: DC Centrifugal Blower Fan
Rated Voltage: 5V DC
Rated Current: 110mA (0.11 A)
Power Consumption: 0.55 W
Dimensions: 50 x 50 x 15 mm
Termination: 3-Wire Leads
Application: Automotive LED Headlight / Projector Lens
Noise Level: Low Noise (Silent Configuration)

Motor Type: DC Brushless
Housing Material: Industrial Plastic
Mounting Orientation: Any
Voltage Range: Not Specified
Rated Speed: Not Specified
Bearing Type: Not Specified
Max. Air Flow: Not Specified
Max. Static Pressure: Not Specified
Weight: Not Specified
Life Expectancy: Not Specified

The AMB050015-03-CFA is primarily deployed within the automotive industry, specifically designed for the active cooling of LED projector lens headlights where heat dissipation is critical for longevity and light output stability. Beyond automotive lighting, the AMB050015-03-CFA is suitable for compact electronics requiring directed airflow, such as small form-factor projectors, portable instrumentation, and specialized optical equipment. The unit's compact footprint allows for seamless integration into tight housing assemblies where standard axial fans cannot generate sufficient pressure.

Supplemental Images


AMO
AMB050015
-03-CFA
DC 5.0V 110mA
VW-1 PVC TYPE