

DF0602512SEMN AVC 12VDC 60x60x25mm 2-Pin Axial Fan Datasheet



Brand: AVC

SKU: 920291781197

Category: Axial & Centrifugal Fans

Price: \$6.99

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Product Page:

<https://www.equipspares.com/product/df0602512semn-avc-12vdc-60x60x25mm-2-pin-axial-fan>

Product Description

The AVC DF0602512SEMN is a Axial Fan engineered for high-reliability thermal management in demanding industrial environments. Utilizing advanced DC motor technology, this unit is designed to minimize thermal impedance while maintaining structural rigidity under continuous operation. The aerodynamic blade profile is optimized for efficient laminar airflow, reducing turbulence and acoustic output. Its robust frame construction ensures durability in high-vibration settings, making it an ideal choice for precision cooling. The integration of high-quality internal components ensures consistent electrical performance and long-term stability for critical electronic assemblies requiring precise temperature regulation.

Model Number: DF0602512SEMN

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.17A (Measured 0.128A)

Power: 2.04W

Rated Speed: 3800 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 19.80 CFM (33.64 m³/h / 0.56 m³/min)

Max. Static Pressure: 3.80 mmH₂O (37.26 Pa / 0.15 inH₂O)

Dimensions: 60x60x25mm

Weight: 58g

Life Expectancy: 30,000 Hours

Speed Control: None (Fixed Speed)

Ingress Protection: IP51

Insulation Class: Class A

Noise Level: 31.5 dBA

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Termination: 2-Pin Connector

Lead Wire Length: 110mm

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: All

Certifications: UL, TUV, CE

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The DF0602512SEMN is specifically designed for integration into industrial welding machines and high-precision laboratory instruments where consistent airflow is critical for component longevity. In power electronics, the DF0602512SEMN provides the necessary cooling to prevent thermal throttling in compact enclosures. Its standardized dimensions allow for seamless replacement in existing server racks, CNC controllers, and telecommunications hardware.

Supplemental Images

