

DFPC0880B2G-Y012 AVC 12VDC 80x80x80mm Counter-Rotating Fan Datasheet



Brand: AVC

SKU: [689944097083](#)

Category: Axial & Centrifugal Fans

Price: **\$19.29**

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Product Page:

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Product Description

The AVC DFPC0880B2G-Y012 is a high-performance counter-rotating axial fan designed for mission-critical thermal management in high-density server environments. Utilizing advanced DC motor technology and a dual ball bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous operation. The aerodynamic design features contra-rotating blade sets to maximize static pressure and minimize flow impedance, effectively overcoming high thermal resistance in restricted chassis. With a substantial power rating, it delivers massive airflow required for cooling high-TDP components, maintaining optimal thermal impedance across the system.

Model Number: DFPC0880B2G-Y012

Brand: AVC

Product Type: Counter-Rotating Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 8.20 A

Power: 98.4 W

Rated Speed: 13500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 162.5 CFM (276.1 m³/h / 4.60 m³/min)

Max. Static Pressure: 68.5 mmH₂O (671.7 Pa / 2.70 inH₂O)

Dimensions: 80x80x80mm

Weight: 480g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Control

Signal Output: Tachometer Sensor

Ingress Protection: IP54

Insulation Class: Class A

Noise Level: 72.5 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 4-Wire Leads with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Protection: Locked Rotor Protection, Reverse Polarity Protection

This heavy-duty cooling solution is engineered for high-static pressure environments such as 2U server racks, blade servers, and precision telecommunications equipment. The DFPC0880B2G-Y012 excels in forcing air through dense heatsinks and restricted enclosures found in cryptocurrency mining rigs and industrial automation systems. By integrating the DFPC0880B2G-Y012, engineers ensure reliable heat dissipation for sensitive electronics requiring aggressive airflow to prevent thermal throttling.

Supplemental Images

