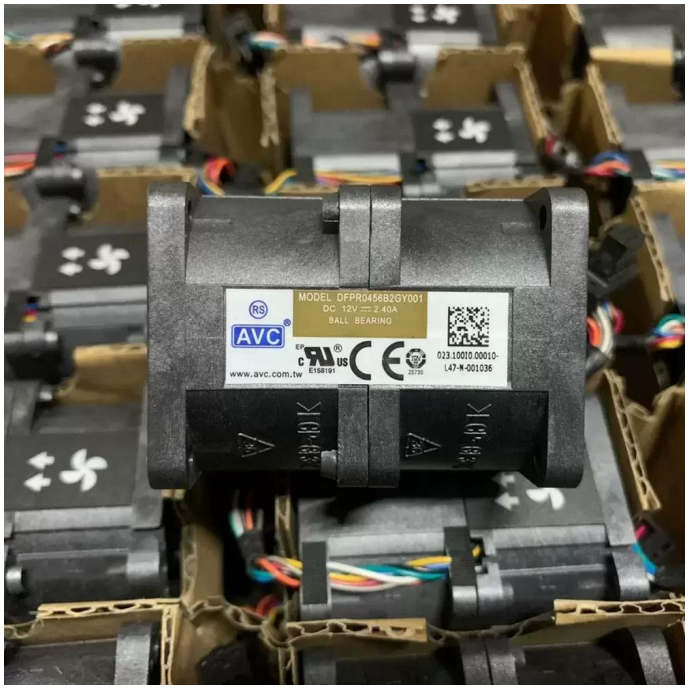
DFPR0456B2GY001 AVC 12VDC 40x40x56mm Axial Fan Datasheet



Brand: AVC

SKU: 665580504383

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/dfpr0456b2gy001-avc-12vdc-40x40x56mm-axial-fan

Product Description

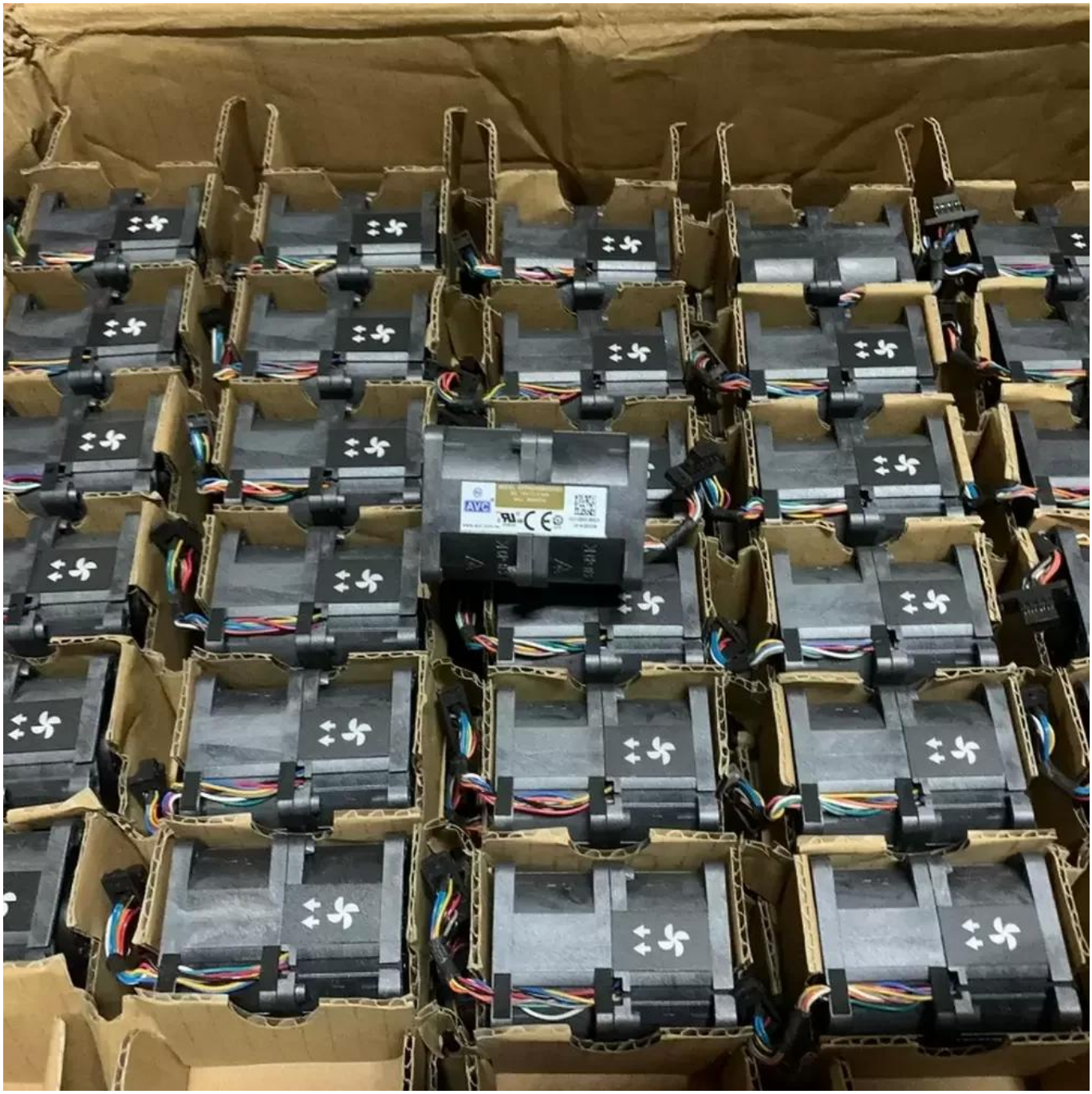
The AVC DFPR0456B2GY001 is a high-performance counter-rotating axial cooling solution engineered for mission-critical thermal management in high-density environments. Utilizing advanced DC motor technology, this unit delivers exceptional rotational stability and torque efficiency, capable of overcoming significant system impedance. The chassis is constructed to ensure maximum structural rigidity, minimizing vibration-induced noise during high-speed operation. At its core, the dual ball bearing architecture significantly reduces friction coefficients, thereby extending the mean time between failures (MTBF) and optimizing thermal impedance. The aerodynamic blade design is calibrated to maximize volumetric airflow while maintaining consistent static pressure, making it an ideal component for systems requiring robust heat dissipation and continuous duty cycles.

Model Number: DFPR0456B2GY001
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan (Counter-Rotating)
Rated Voltage: 12VDC
Rated Current: 2.40 A
Power Consumption: 28.8 W
Dimensions: 40 x 40 x 56 mm
Bearing Type: Dual Ball Bearing
Fan Structure: Counter-Rotating (Dual Motor)

Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP Rating Standard
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Termination: Lead Wires
Compliance: RoHS

Designed for high-density computing environments, the DFPR0456B2GY001 excels in 1U server racks and blade chassis where space is constrained but thermal loads are extreme. The high static pressure generated by the DFPR0456B2GY001 ensures effective airflow through dense heatsinks and restricted ducts found in telecommunications equipment and industrial power supplies. Its robust construction also suits precision medical instrumentation and CNC control modules requiring reliable, continuous cooling.

Supplemental Images


AVC