

R80W12BS3B9-07Z104 Nidec 12VDC 2.19A 8056 Server Fan Datasheet



Brand: Nidec

SKU: [848109678881](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

Nidec R80W12BS3B9-07Z104 80 x 80 x 56 mm 12 VDC 2.19 A dual-motor axial fan is a high-performance cooling unit. This counter-rotating component features a robust PBT plastic housing and PPS impellers, both rated UL 94V-0 for flame retardancy. The internal architecture utilizes a dual ball bearing system to ensure a service life of 70 000 hours at 40 °C. It incorporates a 4-wire interface supporting pulse width modulation (PWM) for precise speed regulation and a tachometer signal for real-time rotation monitoring. The dual-motor design generates high static pressure by utilizing two independent rotors spinning in opposite directions to straighten airflow and minimize turbulence.

R80W12BS3B9-07Z104 Specifications

Model: R80W12BS3B9-07Z104

Brand: Nidec

Category: DC Axial Fan

Frame Size: 80 x 80 x 56 mm

Rated Voltage: 12 VDC

Operating Voltage: 10.8 to 13.2 VDC

Rated Current: 2.19 A

Rated Power: 26.28 W

Bearing Type: Dual Ball Bearing

Housing Material: PBT Plastic (UL 94V-0)

Impeller Material: PPS Plastic (UL 94V-0)

Configuration: Dual Motor Counter-Rotating

Interface: 4-Pin (VCC, GND, PWM, Tachometer)

Life Expectancy: 70 000 hours at 40 °C

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Speed Control: PWM (Pulse Width Modulation)

Monitoring: Tachometer (Frequency Generator) Output

Safety Features: Locked Rotor Protection, Reverse Polarity Protection

R80W12BS3B9-07Z104 Applications

Primary applications include integration into high-density 2 U and 3 U rackmount server chassis, enterprise networking switches, and blade server enclosures. Deployed within telecommunications base stations and industrial power supply units where high static pressure is required to overcome internal component resistance.

Supplemental Images

