

3110RL-05W-S79-C04 NMB 24V 0.24A 8025 80mm DC Axial Fan

SKU: 3110RL-05W-S79-C04

Price: \$11.99

Categories: Fans

Tags: NMB

Product Link:

<https://www.electspares.com/product/3110rl-05w-s79-c04-nmb-24v-0-24a-8025-80mm-dc-axial-fan/>

Product Description

The NMB 3110RL-05W-S79-C04 is a high-performance 24 VDC industrial DC axial fan with dimensions of 80 x 80 x 25 mm, engineered for continuous thermal regulation in demanding environments. This unit utilizes a precision-engineered 7-blade impeller driven by a brushless DC motor, which maintains a powerful 5.76 W power profile for efficient air displacement. Its structural integrity is anchored by a reinforced thermoplastic frame and a premium dual ball bearing system, ensuring exceptional mechanical longevity. The 3-wire configuration provides a dedicated Speed Sensor (FG) signal, offering a robust and modular electrical connection ideal for high-reliability systems such as industrial power supplies, telecommunications infrastructure, and automated control systems.

3110RL-05W-S79-C04 Fan Parameters

Manufacturer: NMB (MinebeaMitsumi)

Model Number: 3110RL-05W-S79-C04

Industry Size Code: 8025

Type: DC axial fan

Bearing Type: Dual Ball Bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Starting Voltage: 14.0 VDC

Dimensions: 80 x 80 x 25 mm

Weight: 80 g

[Electrical Data]

Input Power: 5.76 W

Nominal Current: 0.24 A

Max. Current: 0.30 A

Nominal Speed: 4200 RPM (Tolerance $\pm 10\%$)

Motor Design: Brushless DC Motor

Signal Output: FG (Frequency Generator/Tachometer)

Motor Protection: Auto Restart, Polarity Protection, Locked Rotor Protection

Insulation Resistance: 10M ohm at 500 VDC

Dielectric Strength: 700 VAC for 1 minute

Termination: 3-Lead wires (UL1007, AWG#26, Red/Black/White)

[Performance & Acoustics]

Max. Air Flow: 45.9 CFM (78.0 m³/h / 1.30 m³/min)

Max. Static Pressure: 6.50 mmH₂O (63.74 Pa / 0.26 inH₂O)

Sound Pressure Level: 38.0 dB(A) (Measured at 1 meter)

Number of Blades: 7

Direction of Rotation: Counter-clockwise (viewed toward impeller)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Thermoplastic PBT (Black, UL94V-0)

Impeller Material: Thermoplastic PBT (Black, UL94V-0)

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Life Expectancy (L10): 70,000 hours at 40 °C

Standard Compliance: IEC 60950-1, EN 61000-6-1/3

Approval Agency: UL, CSA, VDE, CE, RoHS

Application

The NMB 3110RL-05W-S79-C04 axial fan is used in industrial power supplies, 24V telecommunications equipment, CNC machinery controllers, network switches, and medical diagnostic hardware.

Product Images



Scan for product details:

