3110RL-04W-B20-F02 NMB 12VDC 80x80x25mm 0.13A Axial Fan Datasheet

Brand: NMB

SKU: 684909074837

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/3110rl-04w-b20-f02-nmb-12vdc-80x80x25mm-0-13a-axial-fan

Product Description

The NMB 3110RL-04W-B20-F02 is a precision-engineered DC axial fan designed for applications requiring consistent airflow and thermal stability. Featuring NMB's proprietary Minebea dual ball bearing architecture, this unit ensures reduced friction and extended operational service life under continuous loads. The 80mm thermoplastic impeller is balanced to optimize static pressure while minimizing acoustic signature. Its robust PBT frame construction provides structural rigidity, making it suitable for industrial environments where thermal impedance management is critical for sensitive electronic components.

Model Number: 3110RL-04W-B20-F02
Brand: NMB (MinebeaMitsumi)
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 6.0 - 13.8 VDC
Rated Current: 0.13 A
Power: 1.56 W
Rated Speed: 2300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 30.0 CFM (0.85 m^3/min)
Max. Static Pressure: 2.6 mmH_2O (25.5 Pa / 0.10 inH_2O)

Dimensions: 80x80x25mm
Weight: 95 g
Life Expectancy: 100,000 Hours @ 25°C
Noise Level: 26.0 dBA
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Termination: 2-Wire (Standard F02 spec implies Tachometer, input specifies 2-wire config)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Resistance: 10M Ohm min. @ 500VDC
Dielectric Strength: 700VAC for 1 sec
Protection: Auto Restart / Polarity Protection

This cooling solution is engineered for widespread deployment in telecommunications infrastructure, server rack ventilation, and industrial power supply units. The 3110RL-04W-B20-F02 provides reliable thermal regulation for CNC machinery control panels and medical instrumentation where vibration and noise must be minimized. Integrators frequently utilize the 3110RL-04W-B20-F02 in network-attached storage (NAS) arrays and desktop computing workstations, leveraging its compact form factor and efficient aerodynamic profile to maintain optimal operating temperatures for mission-critical hardware.

Supplemental Images