

MDS510-24L ORIX 24V 0.08A 52x52x10mm DC Axial Fan Datasheet



SKU: [911707658884](#)

Category: Axial & Centrifugal Fans

Price: **\$72.99**

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Product Description

Oriental Motor ORIX MDS510-24L is a 52 mm x 52 mm x 10 mm axial cooling fan operating at 24 VDC with a 0.08 A current rating. The unit features a high-strength polycarbonate frame and polybutylene terephthalate blades rated for industrial thermal management. It utilizes a precision ball bearing system to achieve a rotational speed of 7000 r/min, delivering an airflow capacity of 0.27 m³/min and a maximum static pressure of 54 Pa. The electrical interface is a 3-wire lead configuration equipped with an integrated electronic stall alarm for real-time rotation monitoring and system safety.

MDS510-24L Specifications

Model: MDS510-24L

Brand: Oriental Motor (ORIX)

Product Line: MDS Series

Fan Type: DC Axial Fan

Frame Size: 52 mm x 52 mm

Thickness: 10 mm

Voltage: 24 VDC

Current: 0.08 A

Rotational Speed: 7000 r/min

Max Airflow: 0.27 m³/min (9.53 CFM)

Max Static Pressure: 54 Pa (0.217 inH₂O)

Noise Level: 36 dB (A)

Bearing Type: Ball Bearing

Connection Type: 3-wire Lead Wire

Function: Stall Alarm (Electronic Type)

Frame Material: Polycarbonate

Impeller Material: Polybutylene Terephthalate (PBT)

Operating Temperature: -10 to +60 °C

Insulation Resistance: 10 MΩ or more (250 VDC)

Dielectric Strength: 500 VAC for 1 minute

Safety Standards: UL, CSA, EN, CE

RoHS Compliant: Yes

Mass: 30 g

MDS510-24L Applications

Primary applications include integration into industrial control panels, telecommunications switching modules, and high-density server enclosures. Deployed within medical diagnostic equipment and automated welding power supplies for critical component cooling and thermal regulation.

Supplemental Images

