

# ZT DF5020L24-EF70AF 24VDC 3.12W 50x50x20mm Cooling Fan Datasheet



**SKU:** [1020128879694](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.71**

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Product Page:

<https://www.equipspares.com/product/zt-df5020l24-ef70af-24vdc-3-12w-50x50x20mm-cooling-fan>

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## Product Description

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ZT DF5020L24-EF70AF 50 x 50 x 20 mm 24 VDC 3.12 W is a high-performance axial cooling fan designed for precision thermal management. The unit features a PBT thermoplastic housing and a seven-blade impeller, both rated to UL 94V-0 standards for flame retardancy. It incorporates a dual ball bearing system to ensure rotational stability and extended service life under continuous duty cycles. The internal brushless DC motor includes an auto-restart function and is interfaced via a 3-wire lead configuration for power and tachometer signal feedback.

### DF5020L24-EF70AF Specifications

Model: DF5020L24-EF70AF  
Brand: ZT (Shenzhen Zhongtai)  
Category: DC Axial Fan  
Dimensions: 50 x 50 x 20 mm  
Rated Voltage: 24 VDC  
Operating Voltage: 14.0 to 27.6 VDC  
Rated Current: 0.13 A  
Input Power: 3.12 W  
Rated Speed: 4500 RPM  
Maximum Airflow: 12.5 CFM  
Static Pressure: 2.8 mmH<sub>2</sub>O

Noise Level: 30.0 dBA

Bearing Type: Dual Ball Bearing

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

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

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +80 °C

Life Expectancy: 50,000 hours at 25 °C

Lead Wire: 3-wire (Red/Black/Yellow)

Safety Certifications: UL, CE, TUV, RoHS

#### DF5020L24-EF70AF Applications

Primary applications include integration into industrial power supply units, server rack enclosures, and CNC machine control cabinets. Deployed within telecommunications base stations and medical diagnostic equipment for localized thermal management of high-density electronic components.

## Supplemental Images

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