514F ebmpapst 24V DC Axial Fan

SKU: 514F

Price: $22.43

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/514f-ebmpapst-24v-dc-axial-fan/

Product Description

The ebmpapst 514F is a compact DC axial fan with precise specifications for reliable cooling in small applications. The fan measures 50 x 50 x 15 mm and operates on a voltage range of 21.6 to 26.4V (rated at 24V DC), with a current draw of 0.039 A and power consumption of 0.9 W. It delivers an airflow of 20 m^3/h (11.77 CFM) at a speed of 5000 RPM, producing a low noise level of 30 dB(A). The fan features a Sintec sleeve bearing and is protected against reversed polarity and rotor blockage. Both the housing and impeller are made from durable glass-fiber reinforced plastic (PBT and PA respectively). With a service life of 50,000 hours at 20°C, this fan is designed for long-term reliability.

514F Fan Parameters
Manufacturer: ebmpapst
Model: 514F
Fan Type: DC Axial Fan
Dimensions: 50 x 50 x 15 mm
Rated Voltage: 24V DC
Operating Voltage Range: 21.6 to 26.4 V
Current Rating: 0.039 A
Power Consumption: 0.9 W
Airflow: 20 m^3/h (11.77 CFM)
Speed: 5000 RPM
Noise Level: 30 dB(A)
Weight: 0.027 kg
Airflow Direction: Exhaust over struts
Direction of Rotation: Counterclockwise, viewed toward rotor
Bearing Type: Sintec sleeve bearing
Termination: 2-Wire Leads (AWG 28, TR 64, stripped and tin-plated)
Housing Material: Glass-fiber reinforced PBT plastic

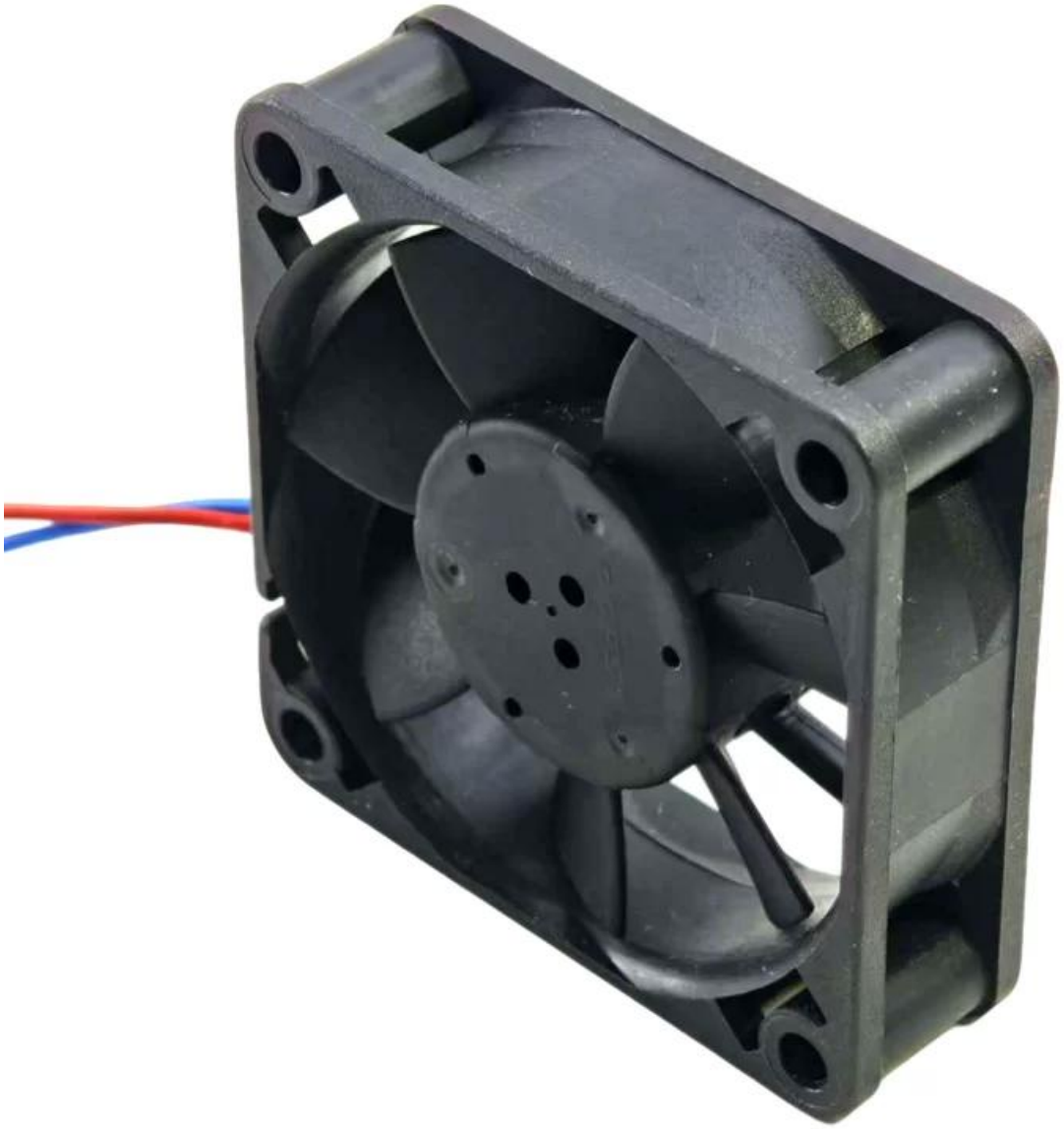
Impeller Material: Glass-fiber reinforced PA plastic
Operating Temperature: -20 °C to 70 °C
Service Life: L10 at 20 °C 50000 h; L10 at 60 °C 20000 h
Motor Protection: Protection against reverse polarity and blocked rotor; Impedance protection
Certifications: VDE, CSA, UL, CE
Possible Custom Designs: Speed signal; Go / No-go alarm; PWM control input; Moisture protection

Application
The 514F fan is ideal for applications requiring compact size and reliable cooling, such as in small electronic enclosures, medical devices, consumer electronics, and embedded systems.

Product Images

514 F
24V⎓ DC 39mA 0,9W
+ RD - BU
US-PAT: 5831359
10.11
ebmpapst
ZP

ebmpapst
614 F
24V DC 39mA 0,9W
+ RD - BU
US-PAT: 5831368
10.11
ZP



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