612F/2 ebm-papst 12VDC 60x60x15mm Tachometer Axial Fan Datasheet

Brand: ebmpapst

SKU: 808515784651

Category: Axial & Centrifugal Fans

Price: **$55.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/612f-2-ebm-papst-12vdc-60x60x15mm-tachometer-axial-fan

Product Description

The ebm-papst 612F/2 is a compact Axial Fan engineered for precision thermal management in space-constrained industrial environments. Utilizing advanced Sintec sleeve bearing technology, this unit delivers a low-noise acoustic profile while maintaining structural rigidity through its glass-fiber reinforced PBT housing. The aerodynamic design of the impeller optimizes airflow efficiency, reducing thermal impedance in sensitive electronic assemblies. Featuring a 3-wire configuration with speed signal output, the 612F/2 ensures reliable operation and seamless integration into intelligent monitoring systems, providing consistent cooling performance with a nominal power consumption of 1.0W.

Model Number: 612F/2
Brand: ebm-papst
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.0 - 13.2 VDC
Rated Current: 0.083 A
Power Input: 1.0 W
Rated Speed: 3900 RPM
Bearing Type: Sintec Sleeve Bearing
Max. Air Flow: 17.1 CFM (29 m^3/h)

Max. Static Pressure: 2.75 mmH_2O (27 Pa / 0.11 inH_2O)
Dimensions: 60 x 60 x 15 mm
Weight: 0.030 kg
Life Expectancy: 70,000 Hours @ 20°C
Noise Level: 27 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Termination: 3-Wire Leads
Speed Control: Tachometer Output (/2)
Operating Temperature: -20°C to +70°C
Direction of Rotation: Counter-clockwise viewed toward rotor
Airflow Direction: Air exhaust over struts
Ingress Protection: IP20

The 612F/2 is extensively utilized in precision medical instrumentation where low-noise operation and reliability are paramount. Its compact form factor makes it ideal for cooling circuit boards in diagnostic equipment, small-scale server racks, and telecommunications modules. Additionally, the 612F/2 serves effectively in industrial automation control panels and power supply units, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images


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