

BP401012H Bi-Sonic 12V DC Axial Fan

SKU: BP401012H

Price: \$9.99

Categories: Fans

Tags: Bi-Sonic

Product Link:

<https://www.electspares.com/product/bp401012h-bi-sonic-12v-dc-axial-fan/>

Product Description

The Bi-Sonic BP401012H is a high-performance DC Axial Fan with dimensions of 40×40×10 mm. This lightweight fan, weighing only 18 g, operates within a voltage range of 10.2 V to 13.8 V (Rated at 12 V) and features a Nominal Speed of 6,500 RPM. It delivers 13.09 m³/h Airflow and 29 Pa Static Pressure at a maximum noise level of 29 dB(A). Consuming 1.56 W of power, the BP401012H utilizes Ball Bearings, making it an excellent, reliable cooling solution for space-constrained applications like 1U server equipment and small form factor (SFF) electronic devices.

BP401012H Fan Parameters

Model: BP401012H

Manufacturer: Bi-Sonic

Type: DC Axial Fan

Dimensions: 40×40×10 mm

Operating Voltage: 12 V

Operating Voltage Range: 10.2 V to 13.8 V

Rated Current: 0.13 A

Power Consumption: 1.56 W

Nominal Speed: 6,500 RPM

Airflow: 13.09 m³/h (7.70 CFM)

Static Pressure: 29 Pa (0.116 inH₂O)

Noise Level: 29 dB(A)

Weight: 18 g

Bearing Type: Ball

Frame Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: −30 °C to 75 °C

Storage Temperature: −40 °C to 75 °C

Life Expectancy: 50,000 hours (at 40 °C)

Termination: 2-Wire Leads

Application

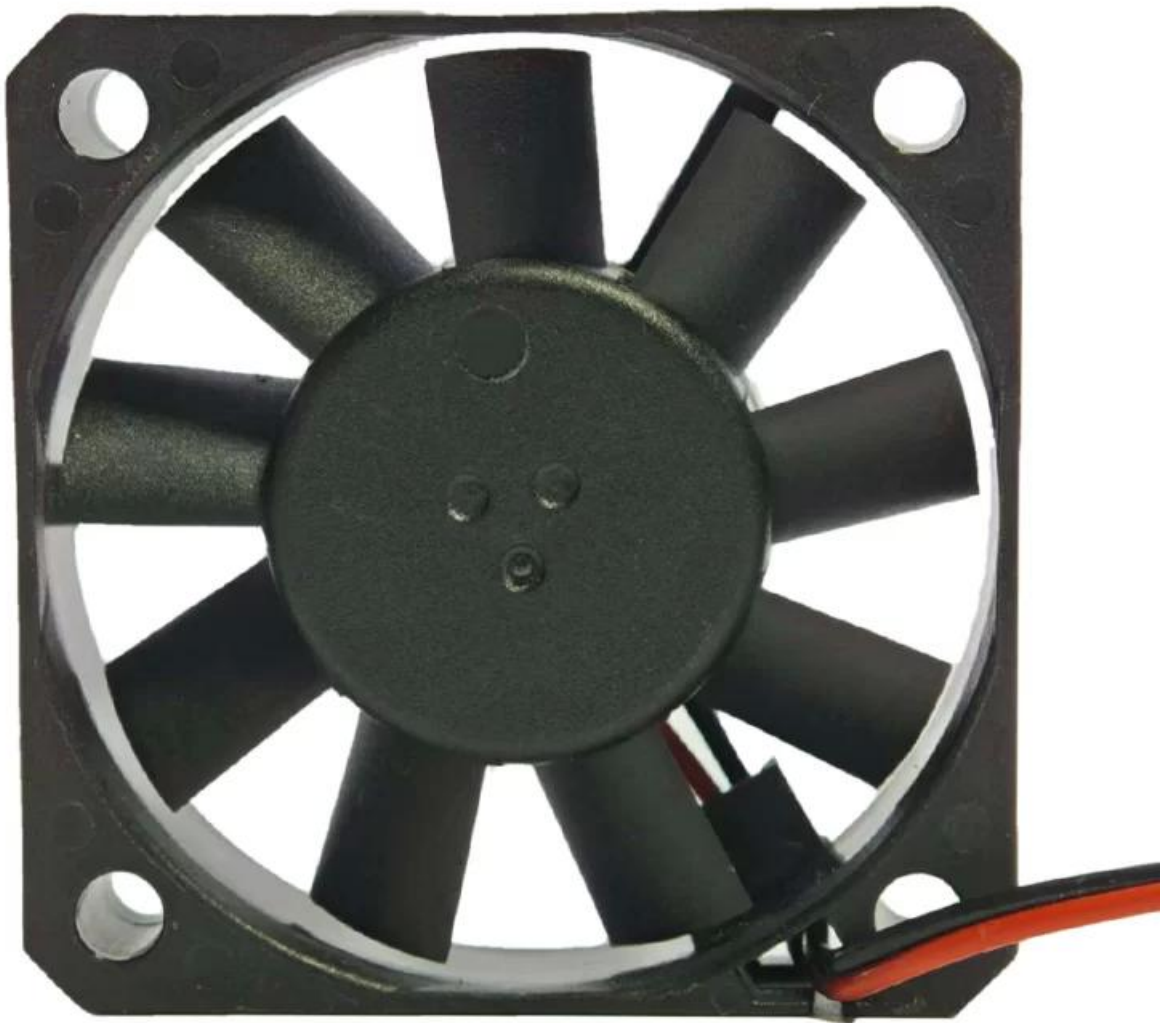
The BP401012H is an essential thermal management component for electronic assemblies where high performance in a thin 10 mm package is required. The fan's high static pressure and low noise level make it highly effective for localized spot cooling of processors, chipsets, or HDD/SSD arrays in dense IT hardware, including 1U rack-mount servers, networking switches, and telecommunication devices.

Product Images









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