T92E12BMA7-07 Nidec 12VDC 92x92x38mm 0.66A Axial Fan Datasheet

Brand: Nidec

SKU: 646352965051

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/t92e12bma7-07-nidec-12vdc-92x92x38mm-0-66a-axial-fan

Product Description

The Nidec T92E12BMA7-07 is a precision-engineered Axial Fan designed for critical thermal management in high-density electronic environments. Utilizing advanced DC motor technology coupled with a robust Double Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic blade geometry is optimized to reduce thermal impedance while maintaining structural rigidity at high rotational speeds. Featuring a 4-wire PWM interface, it allows for dynamic speed modulation, balancing acoustic performance with airflow requirements to effectively dissipate heat in demanding industrial and server applications.

Model Number: T92E12BMA7-07
Brand: Nidec Corporation
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Operating Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.66 A
Input Power: 7.92 W
Rated Speed: 4800 RPM
Max. Air Flow: 85.0 CFM (144.4 m^3/h)
Max. Static Pressure: 11.5 mmH_2O (112.7 Pa)

Bearing Type: Double Ball Bearing
Dimensions: 92 x 92 x 38 mm
Termination: 4-Wire Leads with Connector
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Noise Level: 48.5 dB(A)

The T92E12BMA7-07 is specifically engineered for high-static pressure applications found in enterprise computing and industrial automation. Frequently deployed within 2U and 3U server chassis, the T92E12BMA7-07 provides the necessary airflow to cool dense CPU and GPU clusters. Additionally, this model is suitable for telecommunications equipment, precision medical instrumentation, and power supply units where reliable, continuous thermal dissipation is critical for system stability.

Supplemental Images