109R0812HE401 Sanyo Denki 12VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 985527759219

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/109r0812he401-sanyo-denki-12vdc-80x80x25mm-pwm-axial-fan

Product Description

The Sanyo Denki 109R0812HE401 is a precision-engineered DC Axial Fan designed for critical industrial thermal management. Featuring a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow dynamics to reduce thermal impedance within high-density enclosures. Constructed with high-grade materials for structural rigidity, the 109R0812HE401 delivers reliable cooling performance, making it an essential component for maintaining system stability in demanding electronic environments.

Model Number: 109R0812HE401
Brand: Sanyo Denki
Product Type: DC Axial Fan
Series: San Ace 80
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.26 A
Power Input: 3.12 W
Rated Speed: 3400 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 42.4 CFM (72.0 m^3/h / 1.2 m^3/min)

Max. Static Pressure: 4.8 mmH_2O (47.1 Pa / 0.19 inH_2O)
Dimensions: 80 x 80 x 25 mm
Weight: 110 g
Life Expectancy: 60,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Sensor Output: Tachometer (Pulse Sensor)
Noise Level: 34 dB(A)
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 4-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CSA, TUV

The 109R0812HE401 is engineered for deployment in sophisticated electronic assemblies requiring consistent thermal regulation. Common integration environments include server rack cooling modules, telecommunications switching gear, and industrial automation control panels. The 109R0812HE401 is also frequently utilized in medical instrumentation and CNC machinery power supplies, where maintaining optimal operating temperatures is critical for component longevity and system reliability.

Supplemental Images