

FFB0412HHN-7T29 Delta 12VDC 40x40x28mm 0.17A Axial Fan Datasheet



Brand: Delta

SKU: [799535304945](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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Product Description

The Delta FFB0412HHN-7T29 is a precision-engineered DC axial fan designed for high-density thermal management applications. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation. The aerodynamic impeller geometry is optimized to deliver high static pressure, overcoming significant thermal impedance in restricted enclosures. Constructed with UL94V-0 rated thermoplastic, the frame provides structural rigidity while minimizing vibration-induced noise. This 40mm form factor integrates a specialized motor drive circuit, offering reliable performance for critical industrial and electronic cooling requirements where airflow efficiency and component durability are paramount.

Model Number: FFB0412HHN-7T29

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.17 A

Power Input: 2.04 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 16.5 CFM (28.03 m³/h / 0.467 m³/min)

Max. Static Pressure: 11.76 mmH₂O (115.3 Pa / 0.463 inH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 32 g

Noise Level: 45.5 dB-A

Life Expectancy: 70,000 Hours at 40°C

Speed Control: Tachometer Output (Frequency Generator)

Wire Configuration: 3-Wire

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Polarity Protection

Safety Certifications: UL, cUL, TUV, VDE

The FFB0412HHN-7T29 is engineered for compact electronic environments requiring substantial static pressure to force air through dense components. Common deployments include 1U server rack power supplies, network switches, and industrial automation controllers where space is at a premium. The FFB0412HHN-7T29 is also frequently utilized in optical equipment and compact medical devices, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

