

FFB0412SHN-7F98 Delta 12V 0.6A 4028 axial fan

SKU: FFB0412SHN-7F98

Price: \$9.99

Categories: Fans

Tags: Delta

Product Link:

<https://www.electspares.com/product/ffb0412shn-7f98-delta-12v-0-6a-4028-axial-fan/>

Product Description

FFB0412SHN-7F98 12V 0.6A 4028 high-wind pressure cooling fan

Model Number: FFB0412SHN-7F98

Manufacturer: Delta Electronics

Series: FFB

Fan Type: DC Brushless Axial Fan

Dimensions L x H x W: 40 mm x 40 mm x 28 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 VDC to 13.8 VDC

Rated Current: 0.60 A

Input Power: 6.00 W to 7.2 W

Wiring: 4 Wire Leads (typically for PWM control and Tachometer output)

Bearing Type: Double Ball Bearing

Rotational Speed RPM: 13000 RPM to 13500 RPM

Maximum Airflow: 24.0 CFM to 43 CFM

Maximum Static Pressure: 1.075 in H₂O to 110 Pa

Noise Level: 40 dB to 54.5 dB

Frame Material: Plastic

Impeller Blade Material: Plastic

Protection Functions: Locked Rotor Protection, Overload Protection, Fault Protection

Operating Temperature Range: -10°C to +70°C

Expected Life L10: 50,000 Hours at 40°C

Mass: Approximately 32 g to 40 g

Safety Approvals: CE, CSA, UL, VDE

The Delta FFB0412SHN-7F98 is an extremely high-performance 40x40x28mm DC axial fan from Delta's FFB series, designed for intensive cooling in space-constrained applications. Operating on 12VDC, it consumes 6.00W to 7.2W of power with a current draw of 0.50A to 0.60A. This fan features robust double ball bearings for extended reliability and a long expected life of 50,000 hours at 40°C. It delivers a very high airflow of 24.0 CFM to 43 CFM at rapid speeds ranging from 13000 RPM to 13500 RPM, generating substantial static pressure, which is ideal for pushing air through dense heatsinks or restrictive pathways. Its noise level is notably high, ranging from 40 dB to 54.5 dB, reflecting its powerful performance. The 4-wire configuration typically provides PWM control for speed modulation and a tachometer output for speed monitoring, along with comprehensive locked rotor, overload, and fault protection. This fan is a prime choice for cooling 1U/2U servers, high-end networking equipment, and other mission-critical electronics where maximum heat dissipation in a compact form factor is paramount, often accepting higher noise levels for superior thermal performance.

Product Images









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