



Copley Controls - DC Servo Amplifiers

412



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- ✓ Get a Quote in 5 minutes
- ✓ Parts ship in as little as 24 hours
- ✓ Up to half the cost of the manufacturer



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One Year
Warranty

The **412** is a part of the **DC Servo Amplifiers Series** by **Copley Controls**.

Specifications

Continuous Output Current: ~10 A @ 80 V
Differential Amplifier Gain: 1:1 V/V
Logic Input Threshold: 2.5 V
Max Reference Voltage: 20 V
Peak Output Current: ~20 A @ 80 V
Reference Input Type: Differential
Last Verified: 05/24/2025 5:33 AM

Current Mode Bandwidth: 3 kHz
Normal, Power OK, Fault
LED Indicators:
Logic Input Voltage Range: 0 to +24 V
Output Voltage Formula: $V_{out} = 0.97 \cdot HV - 0.2 \cdot I_o$
PWM Switching Frequency: 25 kHz
Short-circuit Detection: Yes

Current Monitor Output: ~6 V at peak current
Load Inductance Range: 200 μ H to 40 mH
Fault/Normal, TTL-level
Logic Outputs:
Overtemperature Shutdown: 70 °C
Reference Input Impedance: 100 k Ω
Voltage-feedback Mode Bandwidth: 200 Hz

Contact Us

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Shipping Options



Payment Methods



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