



Copley Controls - DC Servo Amplifiers

422



Request a Quote

- ✓ 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 422 is a part of the **DC Servo Amplifiers Series** by **Copley Controls**.

Specifications

Bandwidth (current Mode):	3kHz with 200uH load at maximum supply voltage	Bandwidth (voltage-feedback Mode):	200Hz max	Indicators:	Normal (Green), Power OK (Green), Fault (Red)
Load Inductance:	200 uH to 40mH	Logic Input Voltage Range:	0 to +24V	Logic Threshold Voltage:	2.5V (Schmitt trigger inputs with hysteresis)
Monitor Outputs:	Current Monitor, Current Ref, Voltage Monitor	Output Power (continuous):	~10A @ ~170V	Output Power (peak):	~20A @ ~170V
Output Voltage:	$\sim V_{out} = (\sim HV) \times (0.97) - (R_o) \times (I_o)$; $R_o = 0.2$	Peak Time:	1 sec at peak power or 2 secs after polarity reversal	Protective Features:	Output short circuit, overtemperature, undervoltage shutdown
Pwm Switching Frequency:	25kHz	Reference Input:	Differential, 100K between inputs, ~20V maximum	Supply Voltage Range:	24-180 VDC
Last Verified:	05/23/2025 7:16 AM				

Contact Us

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Shipping Options



Payment Methods



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