



Copley Controls - DC Servo Amplifiers

503



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The **503** is a part of the **DC Servo Amplifiers Series** by **Copley Controls**.

Specifications

Bandwidth:	Small signal -3dB @ 2.5kHz with 200uH load	Connectors:	Weidmueller: BL-125946; Phoenix: MSTB 2.5/5-ST-5.08	Continuous Power:	250W @ ~5A, 50V
Current Monitor Output:	~5V @ ~10A (2A/volt) ~2A @ 35 degrees C; ~5A @ 55 degrees C	Load Inductance:	200 uH to 40mH	Logic Input Threshold Voltage:	HI: 0/00 2.5V, LO: 0/00x1.0V
Maximum Continuous Output Current:	500W @ ~10A, 50V for 0.5-1 second	Operating Temperature Range:	0 to 70 degrees C baseplate	Output Voltage:	Vout = 0.97HV - (0.4)(Iout)
Peak Power:	3.27 x 4.75 x 1.28 in. (83 x 121 x 33mm)	Power Requirements:	+18-55 VDC @ 10A peak	Pwm Switching Frequency:	25kHz
Size:		Weight:	0.52 lb (0.24 kg)	Last Verified:	05/23/2025 10:16 PM

Contact Us

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Shipping Options



Payment Methods



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