

SERIES 600, 700 & 800

AMPLIFIERS

Dynetic 600, 700 & 800 Series Amplifiers

The high efficiency Dynetic 600, 700 and 800 Series Amplifiers are available in one, two or three axes of individual control. These premium quality products are pulse width modulated, closed loop, four quadrant amplifiers. Features include adjustable current limit, over voltage, under voltage, and thermal protection. Modular construction includes surface mount technology for excellent space conservation. The Dynetic amplifier series can be operated in either the current or velocity mode and are delivered to you complete with power supply and simple interconnect options. Our amplifiers are fully compatible with our servo motors (see next page), providing you with a complete system designed for your unique requirements.

PERFORMANCE CHARACTERISTICS

	Dynetic 600 Series	Dynetic 700 Series	Dynetic 800 Series
Continuous Power Output	72 Watts	300 Watts	600 Watts
Peak Power Output	120 Watts for 2 seconds	480 Watts for 2 seconds	1200 Watts for 2 seconds
Maximum Continuous Current	±3 Amps	±6 Amps	±15 Amps
Maximum Peak Current	±6 Amps	±12 Amps	±30 Amps
Inhibit	3 to 15 Volts, pull high	3 to 15 Volts, pull high	1.5 Volts, pull to common, 0.5V max.
Thermal Requirements ¹	-20 to +75° C		
Switching Frequency	33 KHz		
Input Command Signal	±10 Volts DC with 10 KOhms impedance		
Bandwidth	2.5 KHz on the power stage		
Interconnections	PCB, Molex Connector		

SYSTEM SPECIFICATIONS/PRICING

Part Number, Amplifier Model	No. of Axes	Motor Supply Voltage	Standard Power Supply	Unit Size	Unit Weight	Compatible DSC Motor Series		
		Volts	Watts	Inches	Lbs.	15S	22S	31S
070600, Dynetic 600 ²	1	24	--	4x5x1	½	■	■	
070601, Dynetic 601	1	24	300	5x8½x5½	10	■	■	
070602, Dynetic 602	2	24	300	5x8½x5½	10	■	■	
070603, Dynetic 603	3	24	300	5x8½x5½	11	■	■	
070700, Dynetic 700 ²	1	48	--	4x5x1	1		■	■
070701, Dynetic 701	1	48	300	9x5x5½	9		■	■
070702, Dynetic 702	2	48	300	9x5x5½	10		■	■
070703, Dynetic 703	3	48	300	9x5x5½	11		■	■
070800, Dynetic 800 ²	1	48	--	7½x4x1	1½		■	■
070801, Dynetic 801	1	48	300	9x5x5½	11		■	■
070802, Dynetic 802	2	40	1200	10½x13x5½	17		■	■
070803, Dynetic 803	3	40	1200	10½x13x5½	18		■	■

**PLEASE CONTACT
SALES FOR
PRICING
1-800-899-4372**

¹ Case temperature

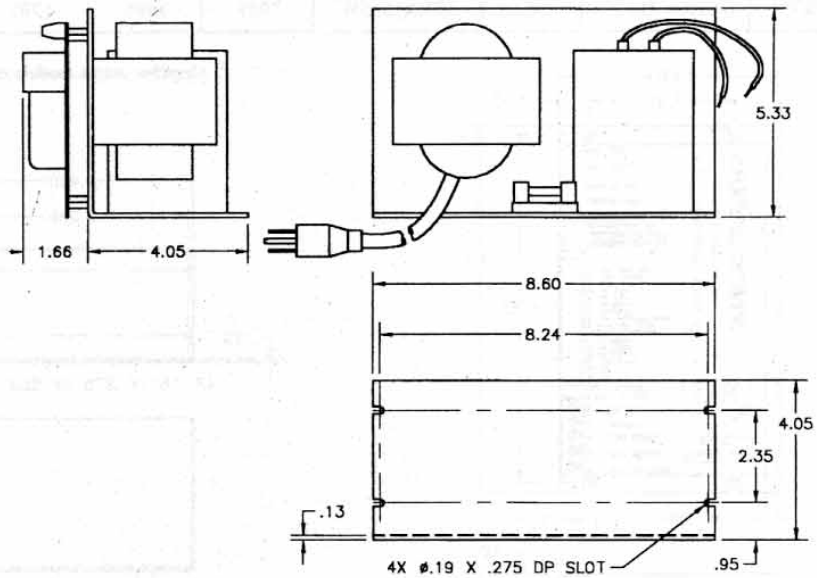
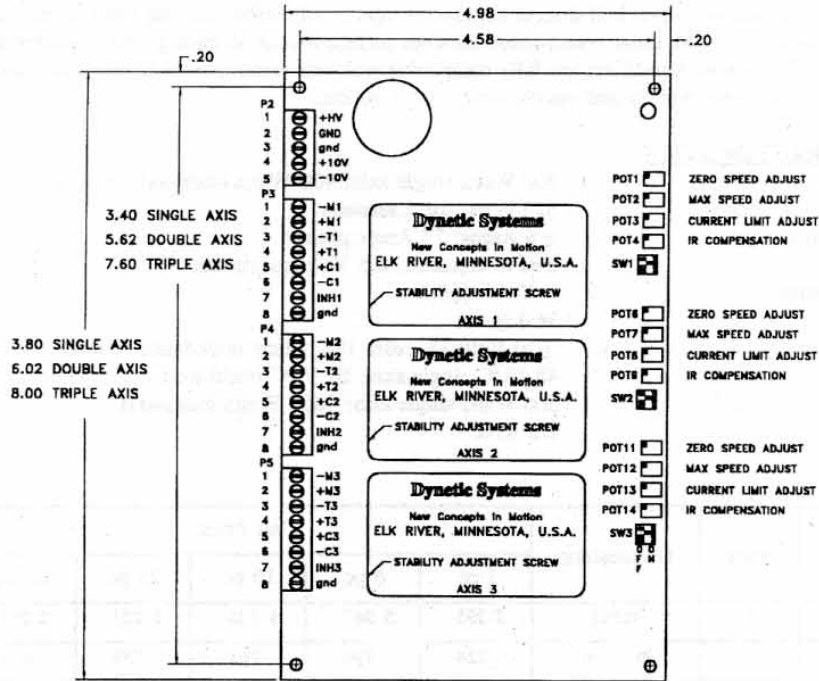
² Amplifier and single axis mounting card only (does not include power supply).

Specifications subject to change without notice.

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