

## Introduction

The *AA363* is a low cost PWM current mode servo amplifier designed to drive DC brush type motors or voice coil actuators. Control is provided via an analog input signal of 0 to  $\pm 10$  VDC corresponding to a constant commanded output current of 0 to  $\pm 6$  Amps.



### Model *AA363* Amplifier

## features

- **Description** ..... DC Brush Type Motor PWM Servo Amplifier
- **Operating Modes** ..... Current Mode
- **Control Input** ..... Analog Voltage Signal of 0 to  $\pm 10$  VDC into 15K Ohms
- **Output** ..... Power PWM, 3 Amps Continuous, 6 Amps Peak at 48 VDC
- **PWM Frequency** ..... Approximately 52 KHz
- **Dedicated Digital Inputs** ..... Optoisolated INHIBIT Input
- **Dedicated Digital Outputs** ..... Optoisolated FAULT Output to Signal Over-heating
- **Supply Voltage** ..... +11 to +50 VDC
- **Motor Voltage** ..... +12 to +48 VDC
- **Dimensions** ..... 3.6 L. x 1.2" W. x 3.3" H. (not including mounting tabs)
- **Weight** ..... Approximately 7 oz.
- **Enclosure** ..... Rugged Powder Coated Aluminum Extrusion

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