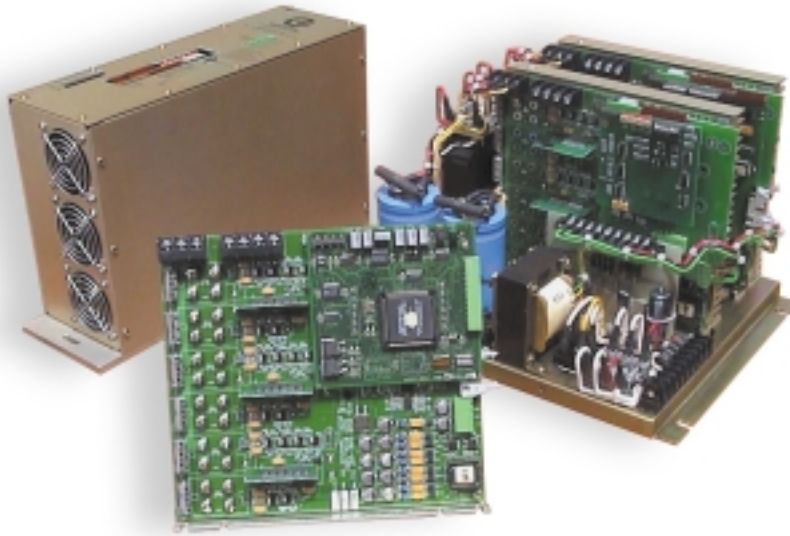


LINEAR BRUSHLESS SERVO AMPLIFIERS



Glentek offers the latest in high performance Linear Brushless Servo Amplifiers for the control of both rotary and linear brushless servo motors. With extensive utilization of surface mount technology and special heat transfer techniques, Glentek's Linear Brushless Servo Amplifiers offer one of the world's most powerful products for a given form factor. All models can operate in current (torque) mode and accept a +/-10V analog input as a command reference. The output power is rated at 460 Watts/phase @ 25°C (10 amps continuous, 25 amps peak). Operating voltages range from either +/-24 to +/-70 VDC for Module configurations and 17 to 50 VAC for Stand Alone and Multi-Axis configurations. Please refer to the "Mounting Configurations" section to view the industry standard mounting configurations offered. Glentek's Linear Brushless Servo Amplifiers are available in the following two commutation versions:

Trapezoidal

The Trapezoidal Linear brushless servo amplifier accepts a +/-10V analog input as a command reference and commutates the motor trapezoidally using Hall sensors or commutation tracks from an encoder. It operates in current (torque) mode and has an option to operate in velocity (RPM) mode with the input of a tachometer. This amplifier is best suited for low inertia applications that require high bandwidth, low noise, zero crossover distortion and where slight torque ripple is acceptable. Following is a list of the Trapezoidal Linear servo amplifiers that Glentek offers: SMA6110.

2-Phase/3-Phase Current Mode

The 2-Phase Current Mode Linear brushless servo amplifier accepts two +/-10V analog inputs as current command references for two of the motor phases and derives the third command reference. The 3-Phase Current Mode brushless servo amplifier accepts three +/-10V analog inputs as current command references for three of the motor phases. This amplifier is best suited for low inertia applications that require high bandwidth, low noise, zero crossover distortion and are used with controllers that provide the commutation. Following is a list of the 2-Phase/3-Phase Current Mode servo amplifiers that Glentek offers: SMA6310.

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