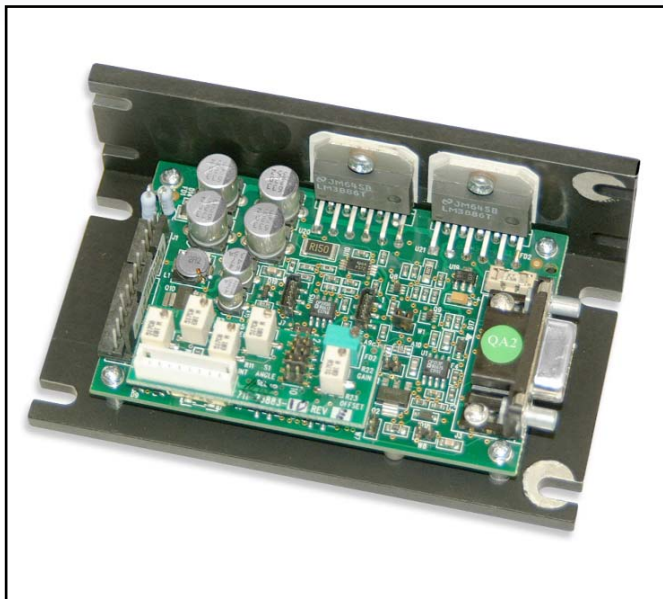


MiniSAX™ II

High Performance Servo Driver



Key Features

- Supports both optical and capacitive PD technologies
- More robust design
- Advanced servo filtering
- Extended bandwidth
- Short response time
- Adjustable notch-filter
- Small footprint
- RoHS Compliant

The MiniSAX II servo driver is an improved version of the MiniSAX, one of GSI Group's most renowned developments in galvanometric servo control technology. Advanced servo filtering techniques enable high bandwidths and short response times.

The MiniSAX II uses a modular design, providing the ability to readily configure the driver for specific applications. An optional filter module is available in a variety of adjustable notch frequency ranges. The frequency response of this module can be optimized to handle a variety of customer supplied loads.

The MiniSAX II is RoHS compliant and supports all General Scanning's closed-loop scanner motors, including the new MPower Motors and VMplus Motors with the patented Optical Position Detector technology.

Technical Specifications

Signal Information	
Command Input	±3 volts Single-Ended or Differential (full scale)
Input Impedance	5 K Ohm differential
Position Output	±3 volts differential for full scale
Power Information	
Voltage	±15 to ±24 volts DC
Quiescent Current	+170mA, -150mA (servo enabled, galvo resting w/o error)
Motor Dynamic Current max.	2.5 Amps RMS
Motor Peak Current	10.0 Amps
Control I/O Information	
Servo Ready	Open Drain, Active Low (50mA max.)
Servo Enable	TTL/CMOS Compatible, Active Low
Protection Information	
Fuse	Motor Output
Automatic Shutoff	Over-position, Supply Under-voltage, Position Detector Inactive
Additional Information	
Temperature Range	0°C to 50°C Operating
Weight	50 grams (without bracket) 185 grams (with bracket)
Size (W x L x H)	2 1/8" x 3 5/8" x 1 1/6" [54.5 x 92 x 29.5mm] (without bracket) 2 1/2" x 3 3/8" x 1 1/2" [63.6 x 111 x 38.1mm] (with bracket)

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