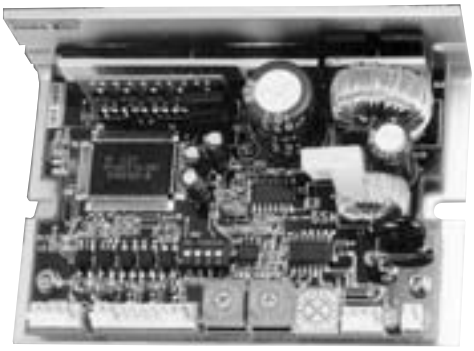
Drivers

- 250 microsteps/full step
- High current output 0.5-1.6A/phase
- Auto current down to reduce motor heat generation
- Low cost

Compact Micro-driver



The SG-55M compact micro-driver is an inexpensive single axis driver when used with your controller can drive the SGSP Series motorized stages. The SG-55M uses micro stepping to provide fine mechanical resolution. With high power output, the SG-55M can drive long travel, high load capacity stages up to the SGSP 65 Series stages. Auto current down function reduces the amount of heat generated during idle. The SG-5M and SG-5MA are lower cost drivers for applications where very fine micro stepping is not required.

Single axis micro-driver

The SG-5151 micro-driver is an economical single axis driver when used with your controller can drive the SGSP Series motorized stages. The SG-5151 has a built in 110V power supply. The UL certified driver offers high reliability in a compact, light-weight low cost micro-driver.

The SG-55M and SG-5151 offers the user the flexibility in configuring systems to meet a variety of applications. If you would like help in selecting the most appropriate products for your application please call. Our experienced Applications Engineers are ready to assist you.

Drivers

Number of Axis	Driving current range (Amps/phase)	Step increments (controller pulses per physical step)	Maximum pulse rate (pulses/sec)	Interface	Power Requirements	Price	Model	PART NUMBER
1	500,000	1 - 250	0.5 to 1.6	Discrete[1]	24-36VDC-3A		SG-55M	**519-2050**
1	500,000	1 - 250	0.23 to 0.75	Discrete[1]	24-36VDC-1.5A		SG-55MA	**519-2051**
1	50,000	1-2	0.5 to 1.4	Discrete[1]	20-40VDC-3A		SG-5M	**519-2040**
1	50,000	1-2	0.25 to 0.85	Discrete[1]	20-40VDC-1.5A		SG-5MA	**519-2041**
1	500,000	1 - 250	0.5 to 1.6	Discrete[1]	90-125VAC 50/60 Hz 300VA		SG-5151	**519-2070**

Notes:

[1]Rotate clockwise command pulse input (or pulse signal input in single clock mode);
Rotate counter clockwise command pulse input (or rotate direction signal input in single clock mode);
Pulse width 0.5ms or higher
Pulse interval 0.5ms Minimum
Rise / fall time 1 µs or lower
Max pulse rate 500kpps
Pulse voltage [1]:4 to 8V, [0]: -8 to 0.5V