

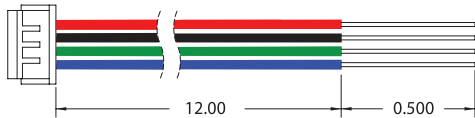
STEPPER-CONTROLLED SCPV SERIES & DRIVER

PROPORTIONAL VALVE

LINEAR ACTUATOR CHARACTERISTICS

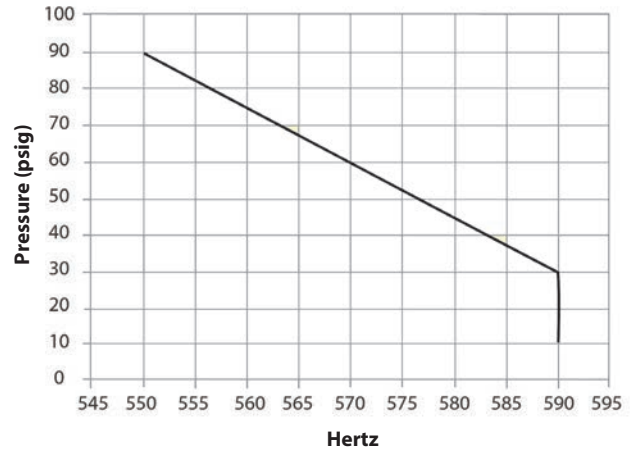
| | |
|-----------------------|------------|
| Wiring | Bipolar |
| Current/Phase | 385 mA |
| Motor Voltage | 5 VDC |
| Resistance/Phase | 13 ohms |
| Inductance/Phase | 8.08 mH |
| Power Consumption | 3.85 watts |
| Temperature Rise | 135°F |
| Insulation Resistance | 20M ohms |

Wiring Harness (included)



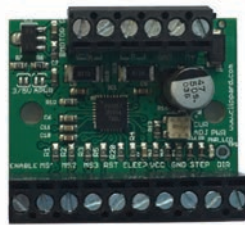
| Pin | Color | Pin | Color |
|-----|------------|-----|------------|
| 1 | Red (A+) | 3 | Green (B-) |
| 2 | Black (A-) | 4 | Blue (B+) |

Maximum Step Pulse Frequency vs. Operating Pressure



SCPVD BI-POLAR STEPPER MOTOR DRIVER

The SCPVD is a bi-polar stepper motor driver board which can be used for stepper motors up to a max 2A/phase. It is based on the Allegro A4988 motor driver. The driver requires a motor drive voltage of 7 to 35 volts. An external controller is required to deliver step and direction signals to the driver board. The SCPVD is capable of micro-stepping and defaults to a 16th step micro-stepping mode. The step mode as well as several other options such as sleep, enable, and reset can be toggled on and off.



- Medical, analytical, and industrial gas mixing
- Anesthesia equipment
- Precision flow control
- Cuff/bladder pressure control
- Process flow control
- Variable speed control
- Automation of needle valve

For more details, visit clippard.com/scpv



| Part No. | Description |
|----------|---------------------------|
| SCPVD-1 | SCPVD-1 SCPV Valve Driver |

