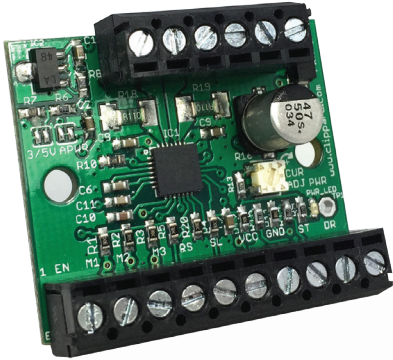


# SCPV DRIVER

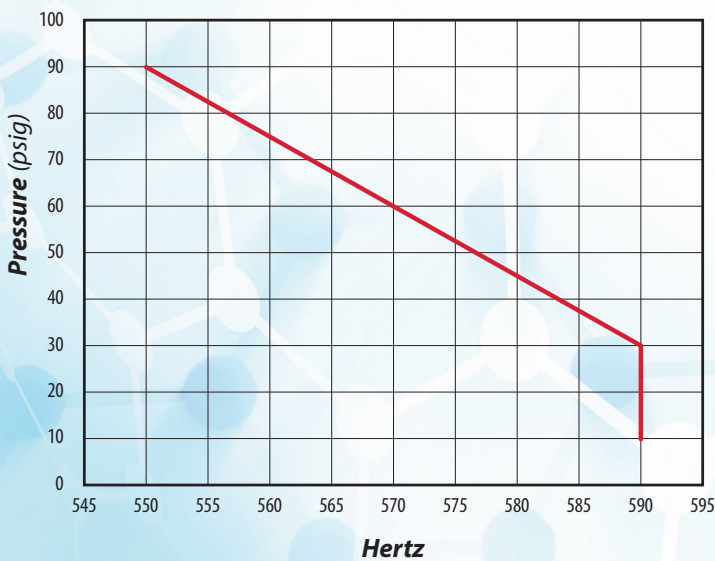


<b>Current / Phase</b>	385 mA
<b>Inductance / Phase</b>	8.08 mH
<b>Insulation Resistance</b>	20M ohms
<b>Motor Voltage</b>	5 VDC
<b>Resistance / Phase</b>	13 ohms
<b>Temperature Rise</b>	135°F (57°C)
<b>Wattage</b>	3.85 watts
<b>More Details</b>	<a href="http://clippard.com/link/scpvd-driver">clippard.com/link/scpvd-driver</a>

*\*This product is highly modifiable for OEM applications—including alternate body materials, flow profiles, and more. Call 877-245-6247 to discuss your needs.*

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 microstepping 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.

**Max. Step Pulse Frequency**

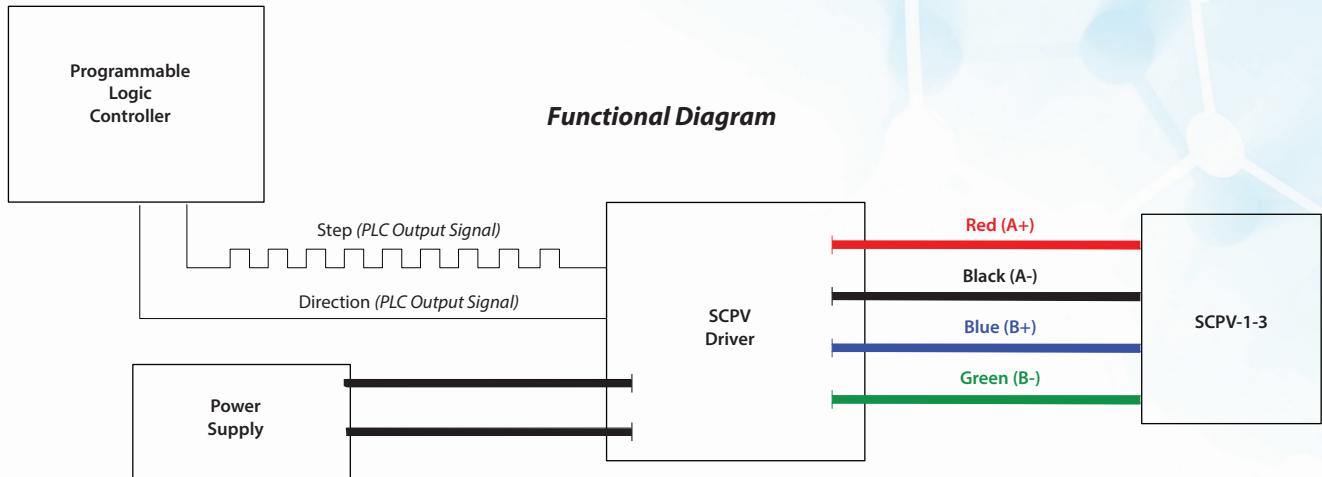


For Use with Clippard's

**SCPV Series  
Stepper-Controlled  
Proportional Valve**

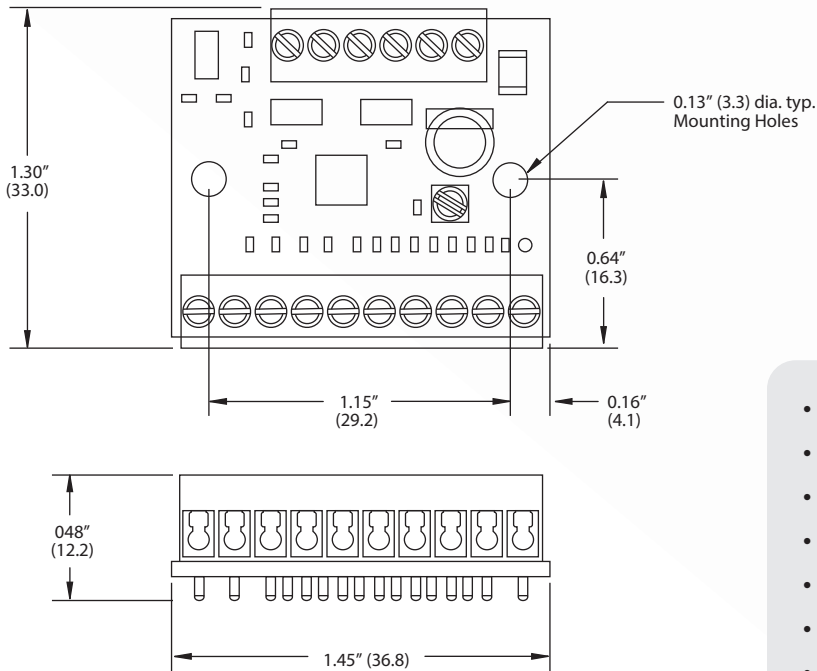
and/or

**Eclipse Proportional  
Isolation Valve**



## Applications

- Analytical instruments
- Blood pressure monitoring
- Precise pressure control
- Patient simulators
- Gas controllers
- Mass flow control
- Gas chromatography
- Respirators / ventilators



Dimensions shown are in inches (millimeters listed in parentheses).

- +7 to +35 VDC supply voltage
- Max. 2A / phase
- 1/16, 1/8, 1/4, 1/2, and full step modes
- 5V or 3.3V logic inputs (jumper selectable)
- LED power supply indicator light
- Crossover current protection
- Thermal shutdown circuitry

## ORDERING INFORMATION

# S C P V D - 1

**Example Part Number:**  
SCPVD-1

For more info, scan the  
QR code or visit  
[clippard.com/link/scpvd-driver](http://clippard.com/link/scpvd-driver)

