

## Load On-Off Power Cycling Module LOC Series

The Load On-Off Cycling Module is designed to enable the user to cycle the voltage across a solenoid or other devices. The applied peak voltage, duty cycle and the frequency are adjusted using the on-board potentiometers.

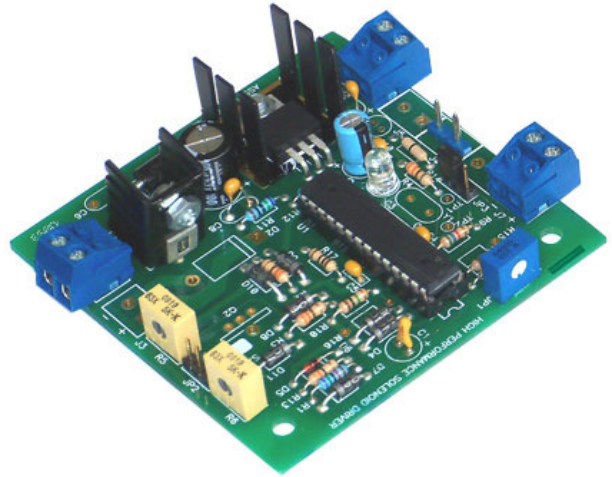
There are three onboard adjustment potentiometers.

The first potentiometer adjusts the frequency of actuation. The range of the frequency is from 0.14 through 30 cycles per second.

The second potentiometer adjusts the output voltage.

The duty cycle of the actuation (ratio of on time to the length of one full cycle) may also be adjusted using the third potentiometer.

It is possible to run multiple modules using the designated master board signal generator.



### Feature

- Low Cost
- Small Size
- Low Weight
- High Efficiency
- Microcomputer Based
- Very High Reliability
- Pulse Width Modulated (PWM)
- High Supply Voltage, +50 VDC
- High Output Current 15 Amps Peak, 4 Amps RMS
- RoHS Compliant

### Typical Applications

- Solenoids
- Valves
- Relays
- Actuators
- Voice Coil Actuators
- DC Motors
- Hydraulics
- Electromagnets
- LEDs

### Performance Specifications

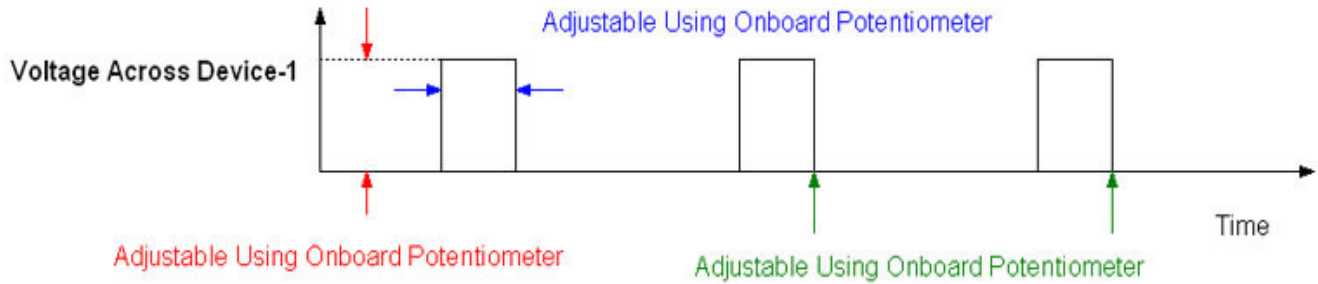
Parameter	Min	Typical	Max	Units
Supply Voltage	9		50	VDC
Peak Current			15	Amp
Average Current			4	Amp
Cycling Frequency	0.14		20	Hz
Operating Temperature	0		50	Deg C



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## Timing Diagram



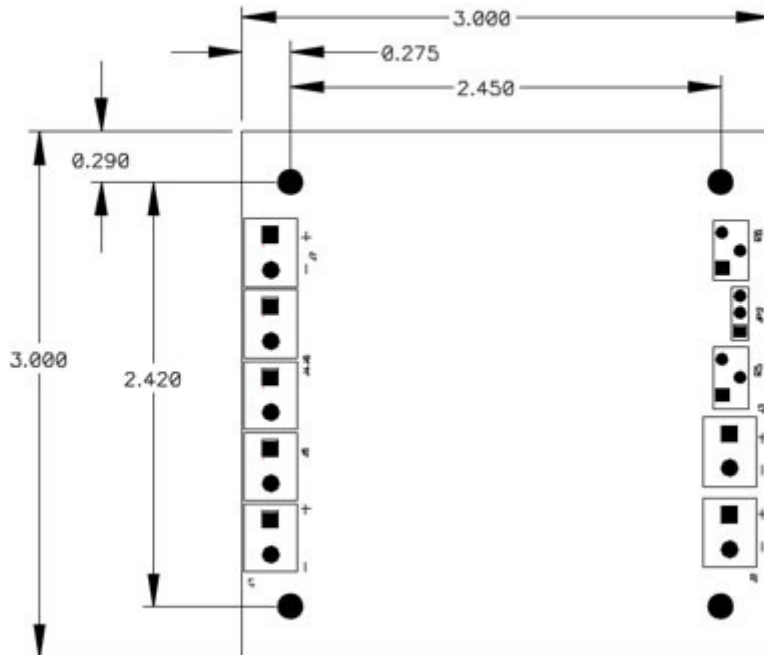
## Mechanical Specifications

### Mounting Pattern

Four 6-32 Screws, 0.15" Diameter (3.8 mm)

### Dimensions

3.00" W, 3.00" D, 0.85" H (76.2 mm, 76.2 mm, 21.5 mm)



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