

LATCHING SOLENOID VALVE

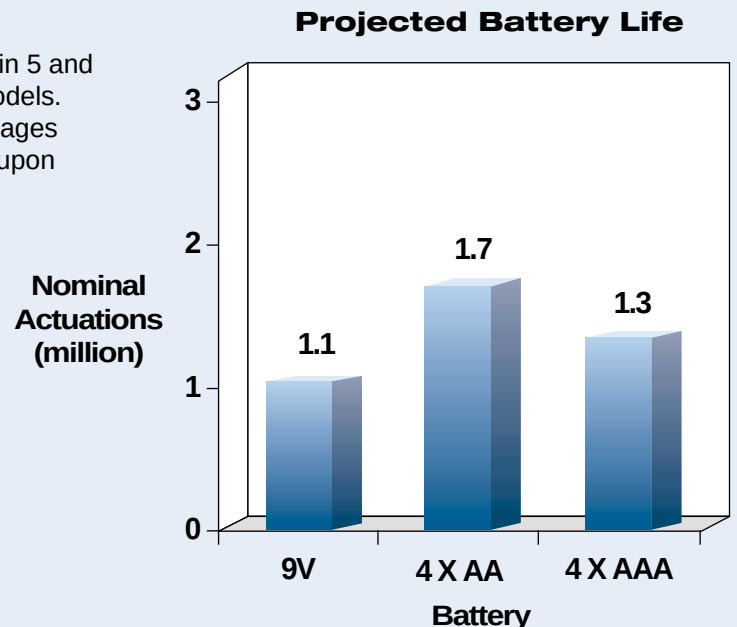
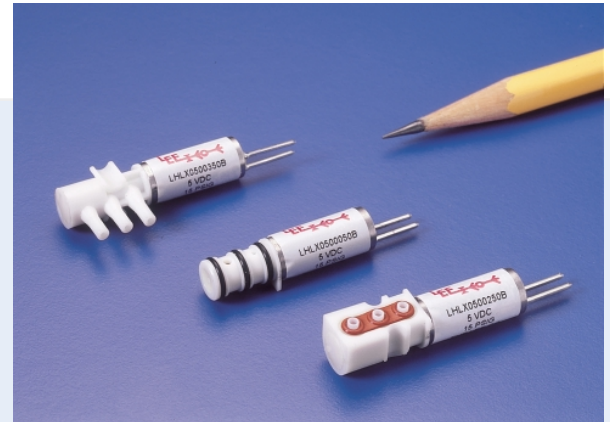
The Lee Company's new sub-miniature latching solenoid valves are designed on the 3-way HDI (High Density Interface) valve platform with the high performance flow switching expected from Lee solenoid valves. Intended for applications that demand ultra-low power, low heat and small size, the valves are ideal for compact, battery powered pneumatic instruments such as portable oxygen delivery systems, environmental gas samplers, and other OEM flow switching devices.

Lee latching solenoid valves require only a momentary (10 ms maximum) pulse of current to switch the state. Pulse duration may be shorter and can be optimized for the applied operating conditions. This should be validated by a customer test. The valves consume only 5.5 milliwatt-sec per switch and the polarity of voltage to the terminals controls the switched position. The devices are magnetically latched and have reliable bi-stable performance.

The valves are currently available in flexible plug-in manifold, a face mounted manifold, and ported soft tube configurations. A one-place ported adapter for use with 1/16" tubing is available to test the plug-in manifold version. Lee offers a variety of other standard manifolds for both the plug-in and face mount configurations. Contact The Lee Company for information regarding custom manifold subsystems.

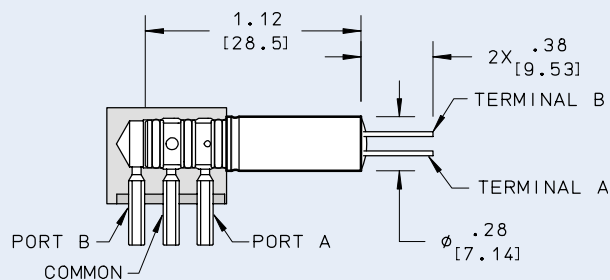
See dimensional drawings on reverse.

- Magnetically latched solenoid valve
- Ultra low power consumption and heat dissipation (5.5 milliwatt-sec per switch)
- Small size
- Reliable bi-stable switching
- Flow capacities up to 6 slpm at 10 psig (1,100 Lohms)
- Pressure range of 0-15 psig
- Available in 5 and 12 volt models. Other voltages available upon request.

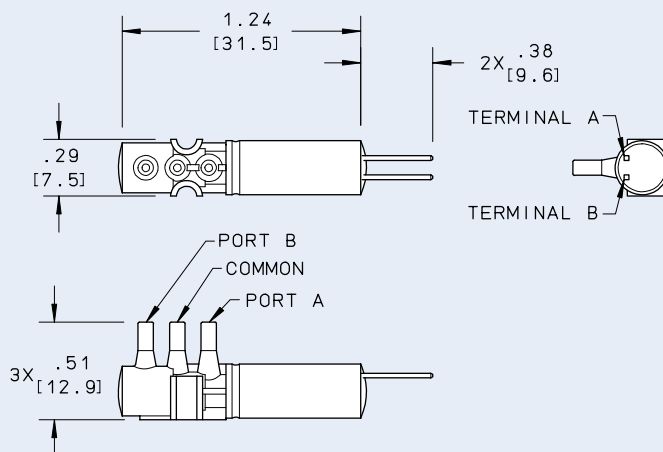


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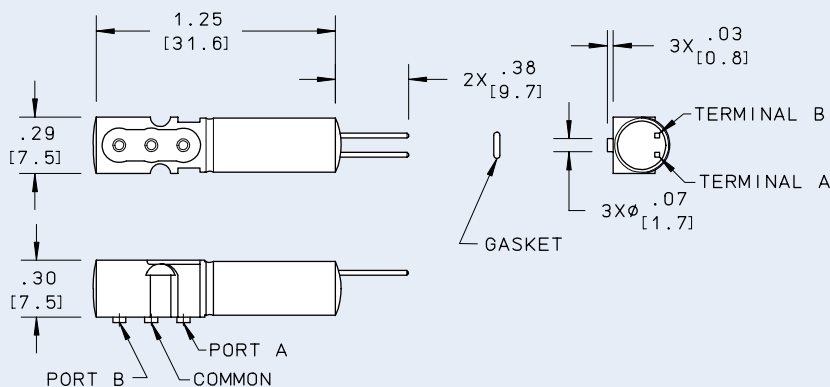
Plug-In Manifold



Ported Soft Tube



Face Mount Manifold



VOLTAGE ON TERMINAL	FLOW PATH
A (+) , B (-)	COMMON TO PORT A
A (-) , B (+)	COMMON TO PORT B

PART NUMBER	DESCRIPTION
LHLX0500000B	5 VDC, plug-in manifold
LHLX0500050B	12 VDC, plug-in manifold
LFMX0516150A	Ported Adapter
LHLX0500200B	5 VDC, face mount manifold
LHLX0500250B	12 VDC, face mount manifold
LHLX0500300B	5 VDC, ported soft tube
LHLX0500350B	12 VDC, ported soft tube