

LEE SERIES 120 SOLENOID VALVE

The world's smallest solenoid valve

The Lee Series 120 Solenoid Valve sets a new standard in reducing space, weight and power consumption. This ultra-miniature, magnetically latched solenoid valve weighs just 300 mg and features high performance flow switching characteristics. The valve requires only a momentary 1 ms pulse to switch the state (+5 VDC to open, -5 VDC to close) and is ideal for compact battery powered pneumatic applications such as air piloting, lab automation (lab-on-a-chip) and other power-sensitive OEM flow switching devices.

The Series 120 Solenoid Valve features reliable bi-stable performance, quiet operation and is currently available under Part # LFLX0510200B. Contact your Lee Sales Engineer for additional information and technical assistance.

- Small size: 0.12" O.D. x 0.40" long (3.0 mm O.D. x 9.6 mm long)
- Weight: 300 mg
- Magnetically latched, bi-stable design
- 2-way operation (air/gas pilot)
- 5 VDC, 1 ms pulse to switch, 10 Hz max (1.8 mWsec/switch)
- Flow rate (air): 5000 Lohms (Ref: 1 SLPM @ 5 psid)
- Pressure rating: 0-5 psid (0-34 kPa)/vac-15 psig
- Coil resistance: 14 ohms @ 21°C
- Ported or o-ring interface
- Wetted materials: PEEK, 430 SS, ceramic, epoxy



ACTUAL SIZE



Design concept utilizing Lee Series 120 Solenoid Valve:

