

# Lab Brick<sup>®</sup> Phase Shifter



- USB powered and controlled
- Includes easy to install and use GUI
- 360 degree phase control in 1 degree increments
- Calibrated performance for optimal accuracy
- Phase profile upload capability
- API DLL and example programs included

The Lab Brick Phase Shifter provides excellent phase accuracy while offering 1 degree phase resolution. The phase can be set from the GUI, configured from an uploaded phase profile or programmed using the provided API DLL. The GUI software can track and control several connected phase shifters, simplifying multiple device test setups. Each device stores settings in internal memory, allowing it to power up in a specific phase state.

### **Applications include:**

- Beam forming
- Signal cancellation
- Phase modulators
- MIMO test platforms for LTE and WIFI
- Phased array antenna systems

### **Electrical**

### **LPS-802**

Frequency	LPS-802: 4.0 to 8.0 GHz
Phase Adjustment Range	360°
Phase Adjustment Step Size	Programmable: 1° to 360° Resolution: 1°
Phase Adjustment Accuracy	± 2.5° typical
Programmable Phase Profiles	User Defined
External Triggering	Optional
Response Time	10 µsec.
Insertion Loss	5 dB typical, 7 dB maximum
Input/Output Return Loss	15 dB typical
Operating Input Power	Up to +10 dBm for linear operation
DC Power	Via USB
GUI Compatibility	Windows 7, Windows 8 2000/XP/Vista

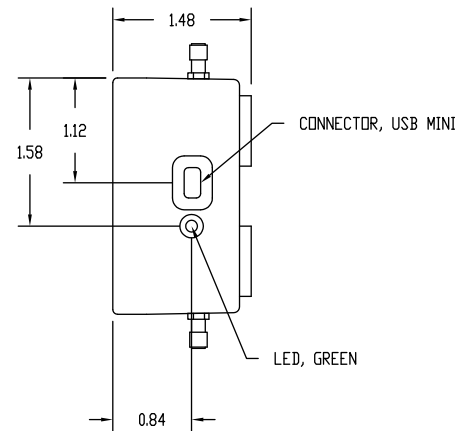
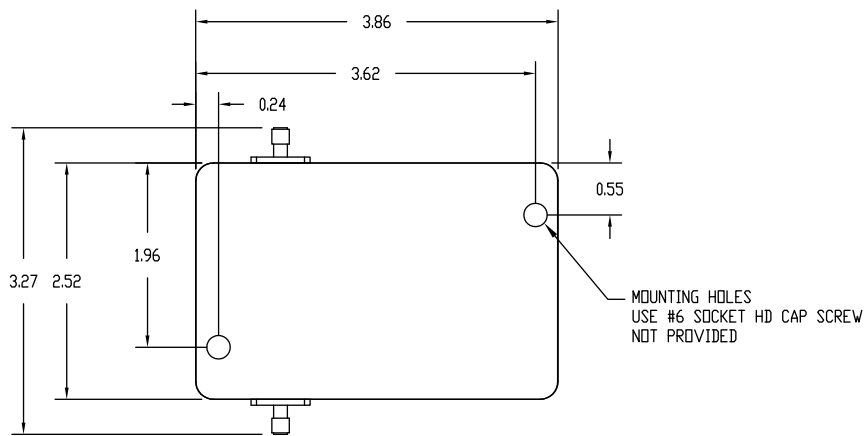
### **Mechanical**

Length	3.86" (98mm) approximate
Width	2.52" (64mm) approximate
Height	0.67" (17mm) approximate
Weight	< 0.5 lbs (0.23 Kg)
RF Connectors	SMA-F
USB Cable	USB 2.0 A to Mini B

### **Notes**

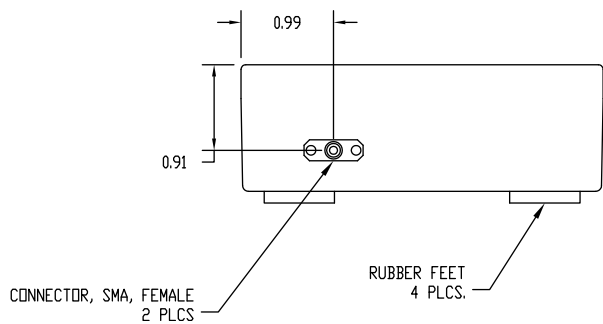
1. These specifications are subject to change without notice.
2. Customized models are available tailored to specific performance requirements.
3. The GUI software is included with the purchase of each Lab Brick.
4. A 6' USB cable is included with the purchase of each Lab Brick.

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NOTE:

1. DIMENSIONS ARE NOMINAL



See performance graphs online at [www.vaunix.com](http://www.vaunix.com)



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