

Lab Brick[®] 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 Series
Frequency		
LPS-202		1 to 2 GHz
LPS-402		2 to 4 GHz
LPS-802		4 to 8 GHz
LPS-123		8 to 12 GHz
Phase Adjustment Range		360°
Phase Adjustment Step Size	Programmable: 1° to 360° Resolution: 1°	
Phase Adjustment Accuracy		± 1.5° 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, 8, XP, 2000

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

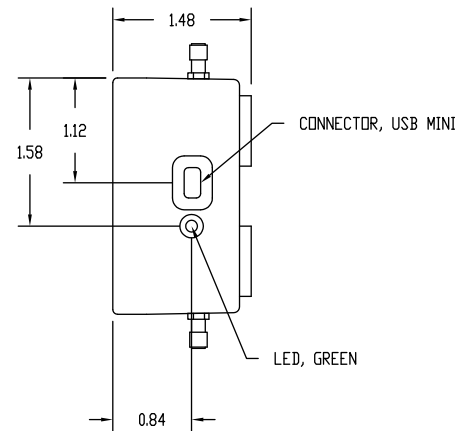
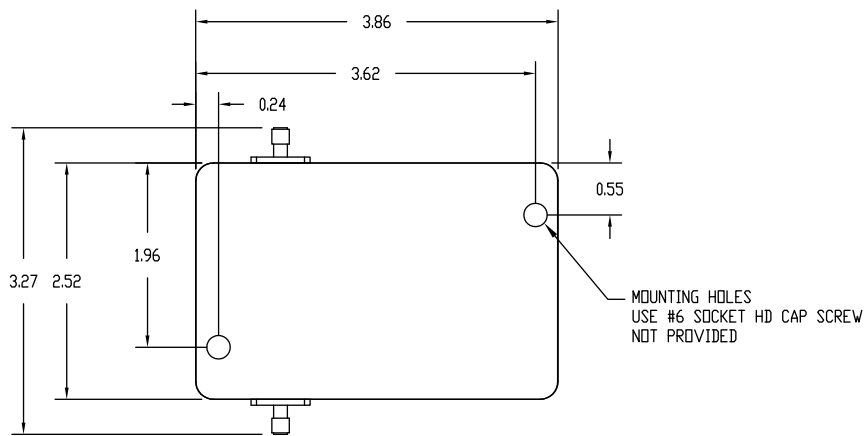
Notes

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.



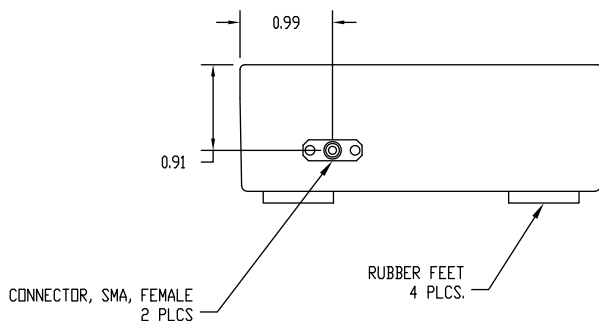
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NOTE:

1. DIMENSIONS ARE NOMINAL



See performance graphs online at www.vaunix.com



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