



## LSP08

Transient load testing for power management devices is critical to ensuring data integrity at the lowest possible power consumption. Analog and Digital DC-DC controllers have long been proven to be non-linear in behavior. Large Signal validation of power supply performance is critical to get an understanding of system performance.

The LoadSlammer Pro family allows the testing of power supplies with one development suite, tests and results can be shared with engineers across multiple geographies allowing for much greater collaboration than previously.

### Key Features

- 16A DC Pulse Loading, 10mA steps
- 1A/us + Slew Rate
- Programmable Slew Rate
- 10W Continuous Power Dissipation
- Integrated 4D testing, frequency, duty cycle, and current
- Validated connector system enables fast evaluation of multiple boards
- OCP retry and thermal testing
- Interposer and Adaptor compatible



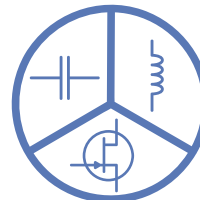
### LoadSlammer Pro 08

Used by

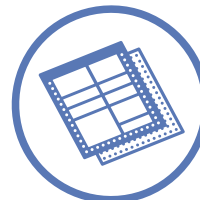
- Engineers and Technicians

To

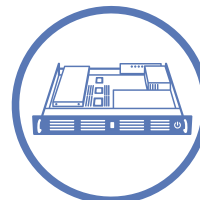
- Evaluate, Characterize, and Validate



**DC-DC POWER SUPPLY**



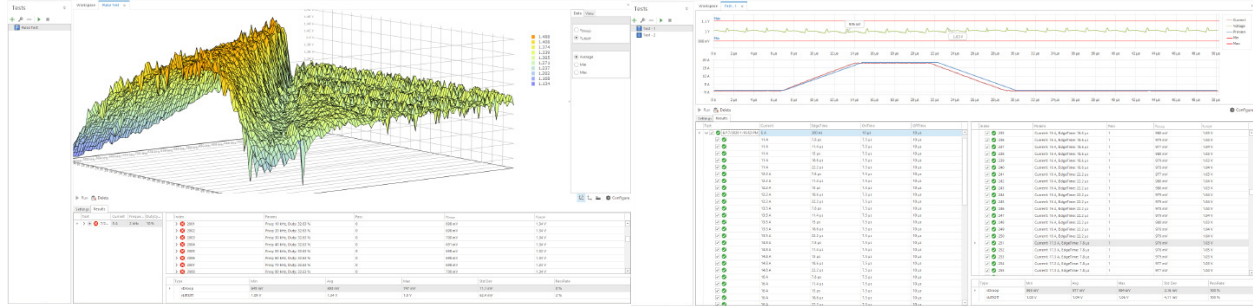
**CPU/ GPU/ FPGA/  
ASIC/ ASSP**



**SYSTEMS**

The LSP08 combined with the LoadSlammer GUI and Adaptor offerings enable preconfigured tests which are easily adjusted, saved and shared with key stakeholders.

**Key Takeaway:** Automated, exhaustive testing allows for fast and comprehensive testing of your power supplies.



## KEY SPECIFICATIONS

Parameter			Min	Typ.	Max	Unit
Timing Characteristics						
Rise Time			50	10		uS
On Time Range			7.5μ		100m	Sec
Off Time Range			7.5μ		10	Sec
Load Characteristics						
Current Range			0.5		20	A
Current Resolution				10		mA
Current Output Accuracy				5		%
Input Voltage Rating			0.6		2.0	V
Current Sense Output						
Conversion Ratio				10		A/V
Max Current	single device			20		A
Current Readout Accuracy				5		%
Sampling System						
Sampling Rate					10	MSPS
Bandwidth				5		MHz
Capture Depth				24		kPoints
Power Dissipation Characteristics						
Continuous Power Dissipation					10	W
Instantaneous Power Dissipation					100	W
Device Connection						
DUT Connector	Preferred	Samtec HSEC8-130-01-L-DV-A-WT-K-TR				
	Surface Mount Only	Samtec HSEC8-130-01-L-DV-K-TR				
	Keepout Drawing and Pinout	<a href="https://loadslammer.com/connector/">https://loadslammer.com/connector/</a>				

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