

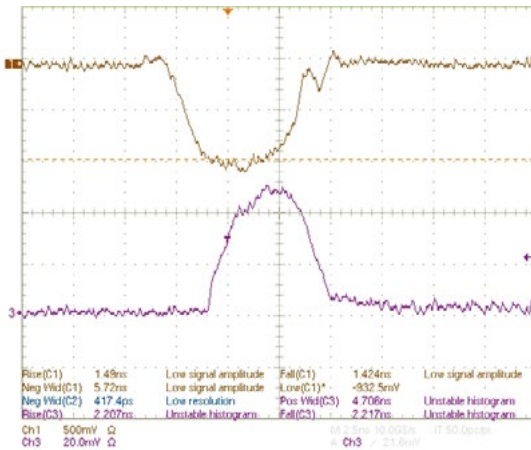
LDP-V 75-200

Rev. 2004

Driver Module for variable Pulse Width



- Compact OEM module
- 0 to 75 A output
- 2.5 ns rise time
- Pulse width control via SMC trigger input (4 ns to >1 μ s)
- Rep. rates from single shot to 250 kHz
- Current monitor
- Applications: LIDAR, Measurements, Ignition, Rangefinding, Biochemistry, ...



Orange: current monitor voltage scaling 500 mV / div
Violet: optical pulse width. Time scaling 2.5 ns/div

Technical Data*

Output current	0 .. 75 A
Max. output voltage	190 V
Rise time	Typ. 2.5 ns
Trigger delay	TBD
Min. pulse duration	4 ns
Max. pulse duration	> 1 μ s*
Trigger range	Single shot to 250 kHz* (refer to diagram with operating limits)
Trigger input	5 V into 50 Ω via SMC jack
Current monitor	20 A / V into 50 Ω
Supply voltage	20 .. 30 V
External high voltage	0 .. 190 V
Laser diode pad size	LD+: 1.3 mm x 8.6 mm LD-: 2.2 mm x 8.6 mm
Max. power dissipation	TBD
Dimensions in mm	62 x 40 x 16
Weight	56 g
Operating temperature	TBD

* See manual for detailed information.

Product Description

The LDP-V 75-200 is a small and inexpensive driver for nanosecond pulses. The device is optimized for pulse repetition from single shot up to kilohertz-repetition rates.

Different laser diodes can be mounted directly onto the LDP-V and offers the ability to eliminate strip lines and to decrease the connection inductance. Another feature of the LDP-V 75-200 is the output compliance voltage from up to 190 V.

This driver offers the ability to increase the efficiency of the laser diode with a unique technology of heat transfer.

Optional Accessories: None