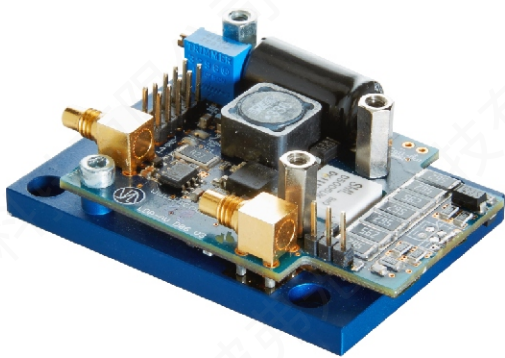




LDP-AV D06-N10

Very short pulse driver module



- 4 .. 30 A output current
- 1 ns pulse duration
- < 900 ps rise time
- Very compact OEM module
- Single +15 V supply
- Rep. rates from single shot to 2 MHz
- Current monitor and isolated monitor
- Applications: LIDAR, Measurements, Ignition, Rangefinding, Biochemistry, ...

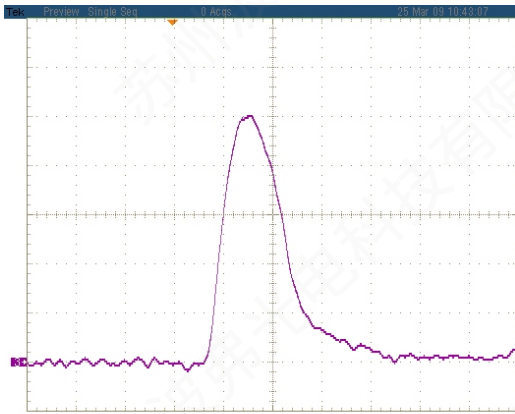


Figure: Typical Optical output

Product Description

The LDP-AV series provides a small and inexpensive source for fixed picosecond and nanosecond pulses. The LDP-AV D06-N10 is designed for a pulse duration of 1 ns. It is intended to be used as a laser diode driver. The diodes can be mounted directly onto the LDP-AV, eliminating the need for strip lines. The LDP-AV is powered by a single 15 V DC supply, a 120 V high voltage DC source is integrated.

Additionally the LDP-AV can be upgraded with the PLCS-21 controller to enable USB 2.0 communication with a PC or the external operating unit PLB-21.

Technical Data*

Output current	4 .. 30 A
Max. output voltage	120 V
-Int. high voltage	15 .. 120 V, 0.1 A, 15 W
Rise time	Typ. 800 ps, max. 900 ps
Typ. trigger delay	Typ. 36 ns, max. 40 ns
Pulse duration	1.0 ns
Trigger range	single-shot to 2 MHz **
Trigger input	5 V into 50 Ω via SMC-jack
Trigger output	Galvanically sep. Rogowski-coil
Current monitor	20 A/V into 50 Ω
Supply voltage	+15 V, 1 A <u>Optional:</u> 0 .. 120 V, 15 W (External high-voltage)
Dimensions in mm	65 x 44 x 20
Weight	76 g
Operating temperature	-20 to + 55 °C

* Measured into a short instead of laser diode. Technical data is subject to change without further notice.

** See manual for detailed information.

Optional Accessories: PLCS-21
PLB-21
LDP-V BOB
LDP-V KIT