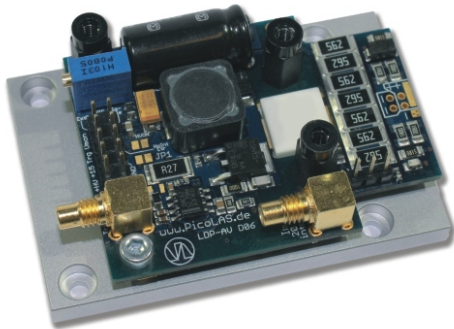
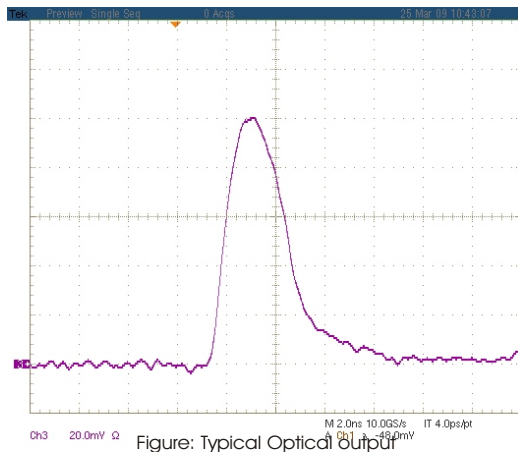


LDP-AV D06-N10

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, Ranging, Biochemistry, ...



Product Description:

The LDP-AV-Series provides a small and inexpensive source for fixed picosecond and nano-second 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 15V DC-supply, a 120V high voltage DC source is integrated. Additionally the LDP-AV can be upgraded with the PLCS-21 controller to enable USB2.0 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. |
| Current monitor | Rogowski-coil |
| Supply voltage | 20 A/V into 50 Ω +15 V, 1 A <u>Optional:</u> 0 .. 120 V, 15W (External high-voltage) |
| Dimensions | 65 x 44 x 20 mm |
| 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 Accesories: PLCS-21
PLB-21
LDP-V-BOB
LDP-V-KIT

