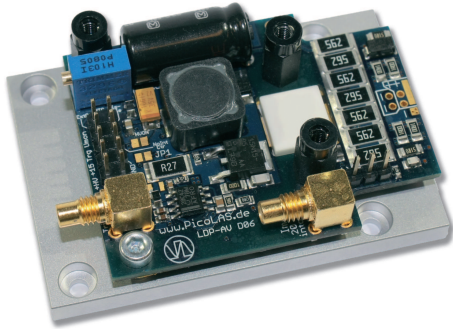


## LDP-AV D06-N20

### Very short pulse driver module



- 4 .. 30 A output current
- 2 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, ...

### Technical Data:\*

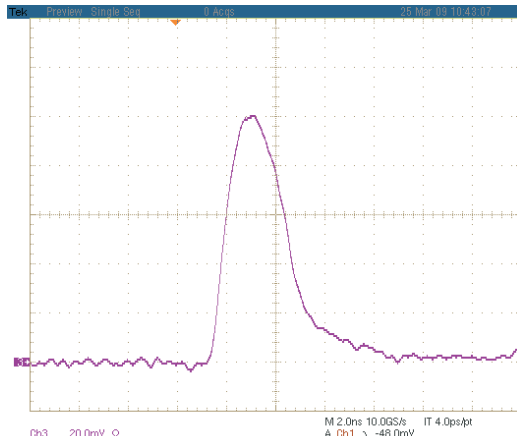


Figure: Optical output

|                       |  |
|-----------------------|--|
| 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        | 2.0 ns   |
| Trigger range         | single-shot to 2 MHz **                              |
| Trigger input         | 5 V into 50 Ω via SMC-jack galvanically sep.         |
| Trigger output        | Rogowski-coil<br>20 AV into 50 Ω                     |
| Current monitor       | +15 V, 1 A   |
| Supply voltage        | Optional: 0 .. 120 V, 15W<br>(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 preliminary and subject to change without further notice.

\*\* Refer to manual for detailed information.

### Product Description:

The LDP-AV-Series provides a small and inexpensive source for fixed picosecond and nano-second pulses. The LDP-AV D06-N20 is designed for a pulse duration of 2 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-20.

**Optional Accesories:** **PLCS-21**  
**PLB-21**  
**LDP-V-BOB**  
**LDP-V-KIT**

