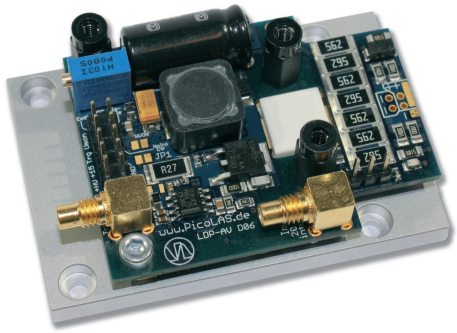
PicoLAS
FOCUSSING POWER TO THE POINT

Rev. 12.12

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, Rangefinding, Biochemistry, ...

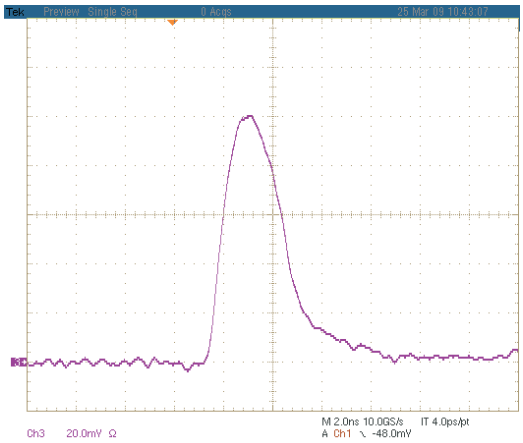


Figure: Optical output

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	2.0 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 Optional: 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 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-21.

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

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