

LDP-AV XLSB 1N50-250

Rev. 2102

LiDAR - Ultra compact Driver Module for pulsed Lasers



- Ultra compact driver: 19 x 20 mm²
- 20 to 250 A output current
- Fixed pulse duration e.g. 5 ns
- Repetition rates from single shot to 200 kHz
- Applications: LiDAR, Measurements, Rangefinding, Biochemistry, ...
- Integrated HV
- Advanced minimal inductance layout
- High power density

Product Description

The LiDAR (Light Distancing and Ranging) driver LDP-AV XLSB 1N50-250 is a nanosecond range driver which is capable of driving more than 500 W. The driver is designed to mount the laser diode or similar emitters directly onto the PCB to minimize inductance. LD pads and pulse duration can be customized for your application.

The surfaces of the contact areas are ENIPEG Gold plated. However these gives options for direct wise bondir of diodes. Using adapter pcb almost all LD's can assembled onto the driver.

Additionally a Break out board (Bob) yields easier access to control the driver.

Technical Data*

Output current	20 .. 250 A*
Pulse duration	Fixed e.g. 5 ns
Repetition rate	Single shot to 200 kHz**
Max. duty cycle	0.1 %
Trigger input	5 V into 50 Ω
Supply voltage	5,5 to 12 V typical 8 V
Dimensions in mm	19 x 20
Weight	26 g
Operating temperature	0 .. 55 °C

* Tested with Hamamatsu laser diode 4 Emitter and Triple Stack

** See manual for detailed information

Optional Accessories:

LDP-AV BOB FI1