Offered by
LASER LAB SOURCE

manufactured by triMATIZ

MODEL LDD-PU-300 OEM PULSED LASER DIODE DRIVER

150 AMP, 30 NANOSECOND PULSED LASER DIODE DRIVER

- **Output Current: 150 Amp**
- **Pulse Width: 30 ns**
- **Super-Compact Form Factor**
- **Ideal for LIDAR Applications**

Laser Lab Source
a division of Research Lab Source Corporation

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670 South Ferguson
Bozeman, MT 59718

HIGH CURRENT OEM PULSED LASER DRIVER

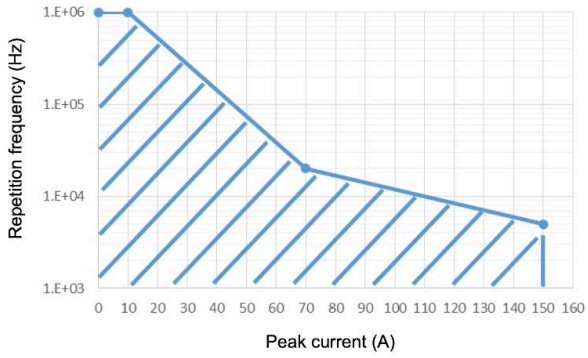
This high current, short pulse laser diode driver was developed for emerging applications such as LiDAR, to deliver clean and ultra-short current pulses.

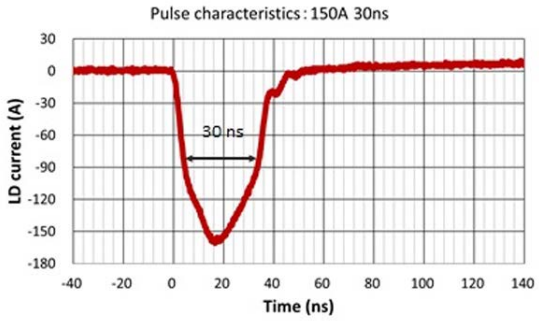
COMPACT FORM SIMPLIFIES APPLICATION

Laser diode package mounting pads for 5.6mm and 9mm TO-can package styles are available on-board. Direct mounting the laser diode on the circuit board eliminates the need for impedance matching cables and resistive elements, and speeds development and deployment of the driver.

FACTORY ASSURED ACCURACY AND FUNCTIONALITY

Factory pre-sets for your application are offered at not additional charge and options for testing with your laser diode prior to shipment are available.





OUTPUT SPECIFICATIONS

- Output Peak Current: up to 150 amps
- Output Current Set by Laser Driver Voltage
- Compliance Voltage: 5 V (max)
- Laser Package: 5.6 mm, 9 mm TO-Can

PULSE SPECIFICATIONS

- Pulse Width: Factory-Set, 30 nanosecond (min)
- Repetition Rate: 5 kHz to 1 MHz
- Duty Cycle Max: 1%
- Trigger Input Connector: MMCX Receptacle, 50 Ω
- Pulse Trigger Voltage: 3.3 V CMOS
- Pulse Trigger Width: 100 ns (min)
- Trigger Point: Rising-Edge

OUTPUT CURRENT MONITOR

- Connector: MMCX Receptacle, 50 Ω
- Conversion Constant: 44.4 A / V
- FWHM Pulse Width: 5 ns ±10% (dummy load)

ELECTRICAL SPECIFICATIONS

- Controller Input Voltage: 12 V (±5%)
- Controller Input Current: 200 mA (min)
- Laser Driver Voltage: 3 V - 85 V
- Laser Driver Current: 400 mA (min)

BOARD DIMENSIONS

- 60 mm x 60 mm

PRODUCT SALES AND SERVICE:

Orders for this product are fullfilled by Laser Lab Source in North America and select internationl regions. It is manufactured by Aerodiode, Talence, France.

PRODUCT WARRANTY:

This product is sold with a full one year warranty. It is warrantied to be free from defects in material and/or workmanship for a period of one year from the date of shipment.

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