

The LDD series laser diode drivers deliver high current and compliance voltage in a compact design, offering cost-effective and ultra-efficient performance for a variety of applications

### Key features

- ✓ Up to 10 Amper current
- ✓ Driving diodes up to 30 Volt
- ✓ Up to 94% efficiency
- ✓ Constant current and power modes
- ✓ Adjustable current limit
- ✓ Enable control
- ✓ External arbitrary waveform modulation
- ✓ Short rise and fall time
- ✓ Ultra-compact

### Applications

- ✓ Fiber laser pumping
- ✓ Solid state laser pumping
- ✓ Direct diode lasers
- ✓ Pyrotechnic ignition
- ✓ Laser diode test setups
- ✓ Materials processing

### Higher compliance available

The LDD series includes other models with a compliance voltage up to 100 Volt and current up to 16 Amper.

### Customization

Custom laser drivers according to your needs is possible. For more information, check our services on our website.

### Ordering information

For orders and to learn more about ephotonics diodo drivers, visit our website or contact us at [contact@ephotonics.com](mailto:contact@ephotonics.com)



Electrical specifications	LDD1030
Diode current	0-10 A
Diode voltage	0-30 V
Supply voltage	11 V to 36 V
Output power	300 W
Maximum power dissipation	35 W
Power efficiency	≥ 94%
Modulation frequency	50 kHz (Max)
Rise time	2 µs
Fall time	2.5 µs
Diode current setpoint	0-5 V
Long-term current stability	< 250 ppm
Enable-Trigger	TTL
Current limit	Yes
Constant current and voltage option	Yes
Current resolution	0.1 A

General specifications	LDD1030
Operating temperature	0 - 55 °C
Storage temperature	-40 - 85 °C
Dimensions	57x60x22 mm
Weight	140 g