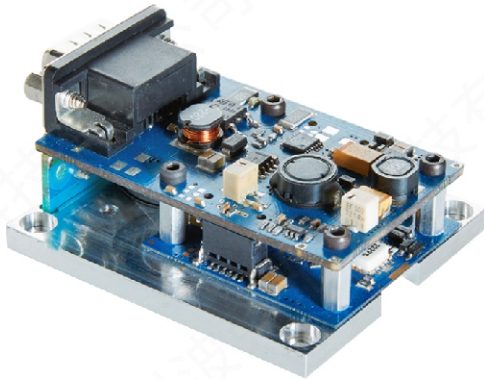


LDS-VRM 005

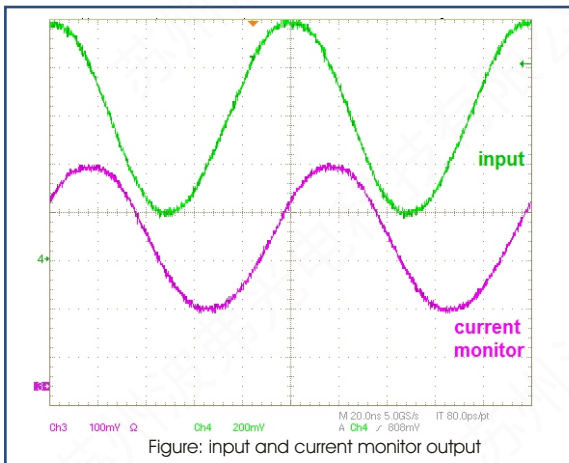
Rev.1905

Highspeed Driver for Laser Diodes



- Analog modulation from cw up to 1 GHz
- 0 to 0.5 A diode current
- Diode voltage: 0 .. 3 V (cw mode)
- Diode voltage: 0 .. 6 V (pulse mode)
- Single 15 .. 24 V supply

Technical Data*



| | |
|------------------------|---|
| Output current | 0 .. 500 mA at 25 °C 0 .. 600 mA max. peak current |
| Diode voltage | |
| cw and pulse mode | 0 .. 3 V up to 0.5 A |
| Pulse mode | 0 .. 6 V up to 0.1 A** |
| Analog modulation | cw .. 300 MHz (-3dB) cw .. 750 MHz (-6dB) |
| Modulation inputs | analog 0 .. 1 V; Scale 0.5 A/V |
| Current overshoot | < 1 % |
| Supply unit control | RS-232 |
| Current monitor | Analog, Scale 1.25 A/V (50Ω) |
| Supply voltage | 15 .. 24 V DC, 0.6 A |
| Max. power dissipation | 10 W |
| Dimensions in mm | 69.7 x 54 |
| Weight | < 80 g |
| Operating temperature | 0 to +55 °C |

* Technical data is subject to change without further notice.

** Up to an average current of 100 mA.

Product Description

The LDS-VRM 005 is a highspeed driver for laser diodes. The current can be modulated with an analog input signal. The very high repetition rate up to 750 MHz and the high current of up to 500 mA allow applications in the field of:

- Seeder for fiber lasers and solid state lasers
- Print
- DVD disk mastering
- Communication
- Illumination and vision

The driver consists of a driver unit and a separate remote controllable supply unit. Both parts are operated with a supply voltage of 15 .. 24 V DC. A passively cooling via the base plate of the driver helps to realize a maintenance free operation. Additional cooling is not necessary.

Optional Accessories: PLCS-40