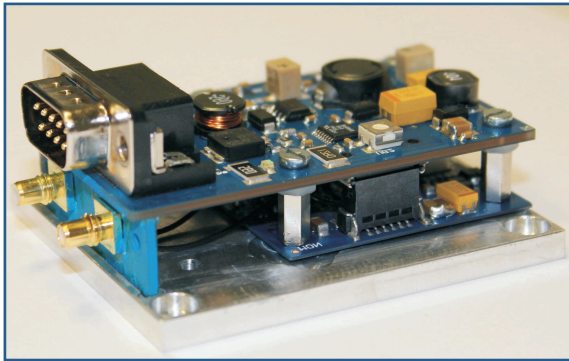


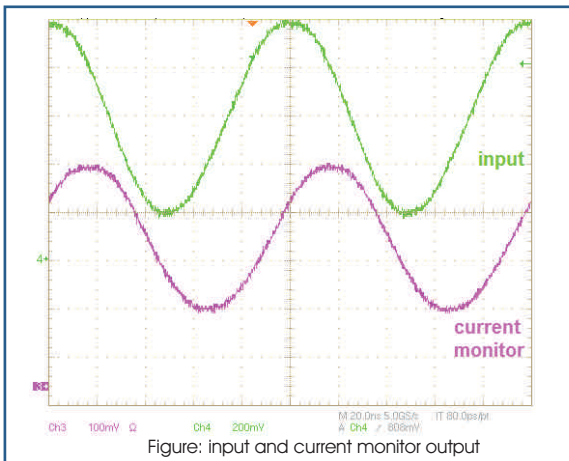
LDS-VRM 005

High-Speed driver for laser diodes



- Analog modulation from cw up to 1GHz
- 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 Pulse mode	0...3 V up to 0.5A 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 2.5 A/V in 50Ω
Supply voltage:	15...24 V DC, 0.6 A
Max. power dissipation:	10 W
Dimensions :	69.7 x 54 mm
Weight:	< 80 g
Operating temperature:	0 to + 55 ° C

* Up to an average current of 100 mA.

Product Description:

The LDP-VRM 005 is a high-speed 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 allows 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 realise a maintenance free operation. Additional cooling is not necessary.

Optional Accessories: PLCS-40