

LDP-VRM 025-12 CA

Laser Diode Driver

Rev. 1905

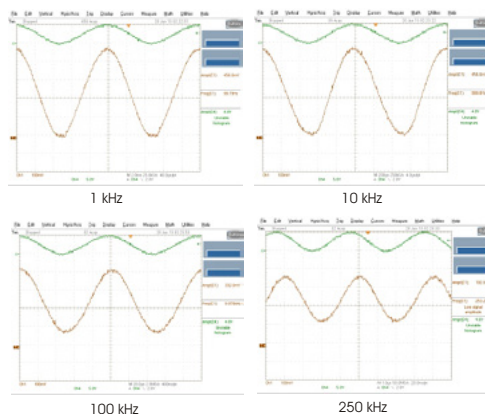


- Analog modulation dc .. 150 kHz
- Output current: 0 .. 2.5 A
- High speed
- Adaptive DC/DC converter

Technical Data*

Output current	0 .. 2.5 A
Max. compliance voltage	Single laser diode, up to 12 V
Current noise	< 3 %
Current overshoot	< 5 %
Analog modulation	180 kHz typical 150 kHz guaranteed
Current settling time (full-scale)	
Current setting input	0 .. 5 V
Current monitor	165 mV/A
Trigger	Analog / TTL (jumper)
Supply voltage	12 .. 20 V min 3 V above compliance
Power dissipation	4.5 W
Dimensions in mm	50 x 27 x 15
Weight	10 g
Operating temperature	0 to +55 °C

* Specifications measured with a fast recovery diode instead of a laser diode. Technical data is preliminary and subject to change without further notice.



Product Description

The LDP-VRM 025-12 CA is a fast driver for typical laser diodes. With its high output voltage it is suitable for IR, blue Ld's and all kinds of LEDs. The internal DC/DC converter stabilizes the voltage drop across the driving MOSFET to prevent excessive losses.

- Innovative current regulation concept actively prevents laser diode from overshoots and over-current
- Protection against transients through regulated current rise time
- Adaptive DC/DC converter for lowest losses

Optional Accessories: None