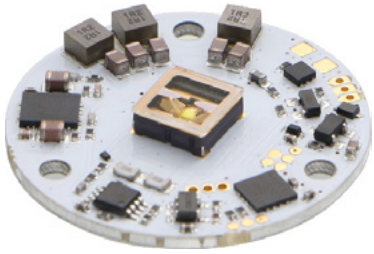
LASER COMPONENTS®

PicoLAS
FOCUSSING POWER TO THE POINT

Rev. 2001

LDP-VRM 025-09-0

Laser Diode Driver



- Output current: 0 .. 2.5 A
- Adaptive DC/DC converter
- µC supervised

Technical Data*

Output current	0 .. 2.5 A
Max. compliance voltage	One SLD device, 4.5 .. 9 V
Current noise	< 3 %
Current overshoot	< 5 %
Current settling time (full-scale)	< 10 ms
Current setting input	Digital / RS-232
Trigger	Analog / TTL (jumper)
Supply voltage	9 .. 15 V
Power dissipation	< 3.2 W
Dimensions in mm	Ø 31
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 025-09-0 is the perfect choice for all applications requiring a ready for use driver with integrated WLS, LD or LED.
A high efficiency buck-boost regulator offers an input voltage being lower, equal or higher than the targeted device. The input voltage range offers the use in many applications like pocket flashlamps with 2S or 3S LiPo battery packs.
Due to a µC supervisory the temperature is controlled and several options like soft start, presetted power levels can be programmed in our factory. The option for a hall sensor is offering a wide flexibility for all water proof or submersible applications.

Applications:
- Pocket Flashlamps
- Disposable medical equipment
- Torches for diving
- Drone headlights

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

Optional Accessories: None

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