

Creative Technology Lasers

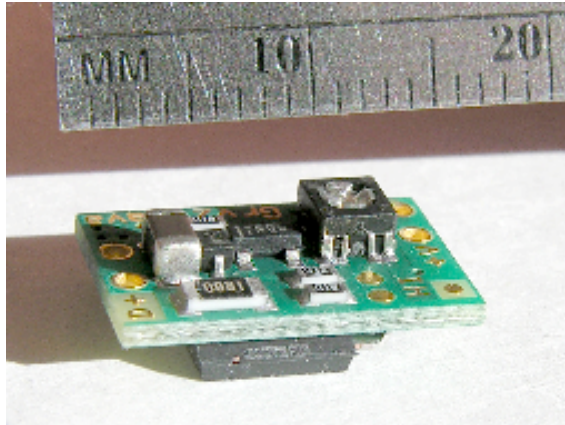
180 Alderwood Road Walnut Creek, CA 94598-1042 USA

925.210.1330 Phone

www.LASER66.com

Surface Mount Linear Laser Diode Driver

These are the next step in providing our customers with a solution to driving laser diodes. With a 1.2 volt dropout, these units minimize the over voltage needed to provide power. At 10 mm X 14 mm X 4mm, these drivers provide you with a compact design even for some of the smallest portable projects. Can be utilized for RED, IR, and Blue- Violet or Blue Laser Diodes, as well as other low voltage devices including TEC's. Can be run in Parallel for Higher Currents.



Photos showing top and adjustable potentiometer.

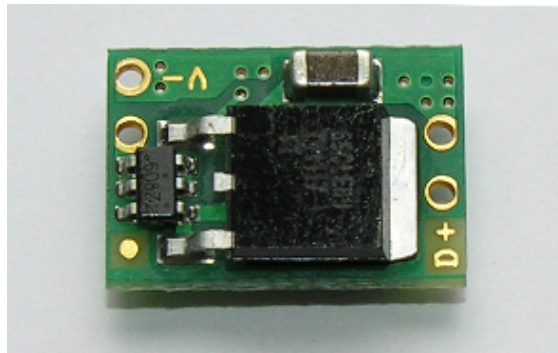


Photo of bottom, showing Power Device, and connections.

SPECIFICATIONS:

Input Voltage (Iv) :	Vout +1.2V to 12 VDC. Vout depends on load, ~ 2 volts for Red and IR diodes, ~ 5 volts for blue/ violet.
Output Volatge:	1.8 to 10 VDC
Output Current:	~ 25- 500 mA, adjustable. Standard: 25 to 200mA (no jumper). ~ 30- 500mA with "HI" jumper (solder blob) in place on top of PCB.
Connections	+V and -V are the input voltage. +D is Anode and -D is cathode. -V and -D are common connections, this could help with minimum wiring or require battery isolation, depending on usage.
Heat Sink	Recommended on power device if regulation is reduced, or operated above 25°C.
Support	Contact us with any questions. CCW = Low, CW turn= increase in current.