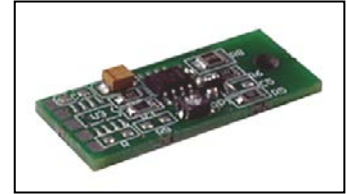




## EU-38-TTL



### TECHNICAL DATA

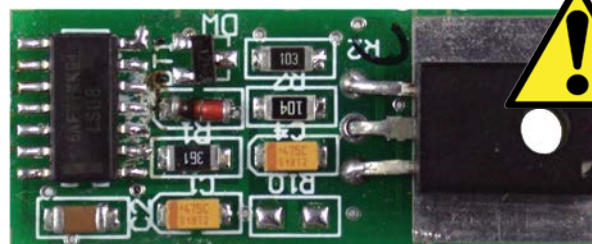
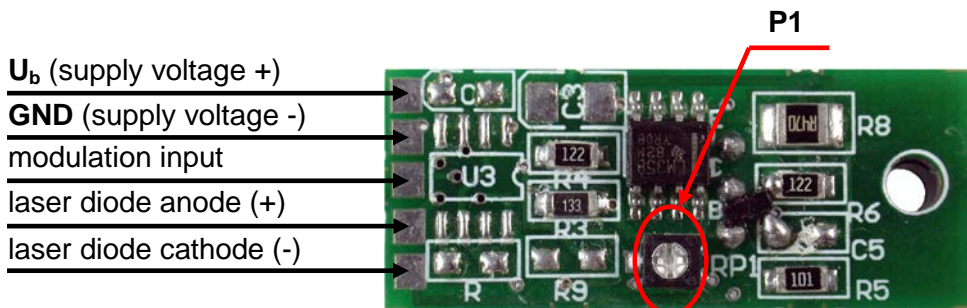
## Laser Diode Driver

### Features

- constant laser diode current adjustable with potentiometer
- modulation input
- laser diode output power independent from supply voltage

### Specification

- dimension: 35 x 15 mm<sup>2</sup> (+/- 0.5 mm)
- supply voltage: 4.0 - 5.0 VDC
- max laser diode current: 1 A
- modulation frequency: DC .. 100 kHz, analog and digital voltage input
- modulation input voltage:  
0 V = laser off, U<sub>B</sub> = laser on, any voltage between 0 and U<sub>B</sub> possible (>2 V = high)



**CAUTION**

for high currents  
use a heat sink  
transistor gets hot

**P1:** trim pot for laser diode current adjustment  
 → turn left = laser diode current increase  
 → turn right = laser diode current decrease

**Note:** P1 is a trim pot which can be turned clockwise and counterclockwise slowly to the end points. The trim pot can be damaged, if you keep on turning it at the end point !