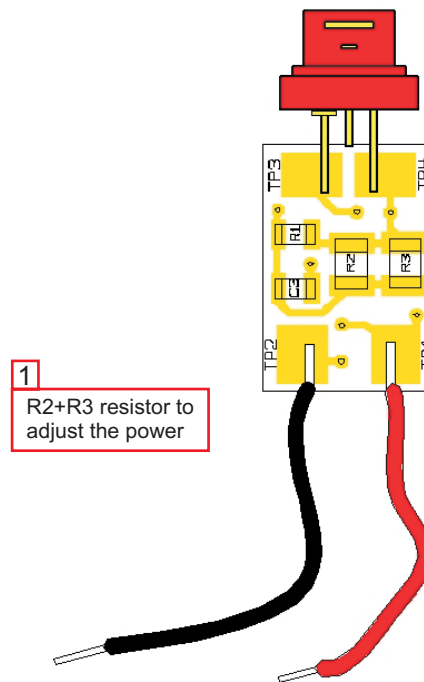


Driver board for CW - Laser Diodes

- ❑ Driver current: 70 mA max.
- ❑ Operating voltage: 3 V...6 V max.
- ❑ Integrated protection against incorrect polarity for IC and Laser diode
- ❑ Permanent disconnection in case of excess current and overheating of the laser diode
- ❑ Monitor diode current: 10 μ A...2,5 mA
- ❑ PCB size: 7 mm x 10 mm



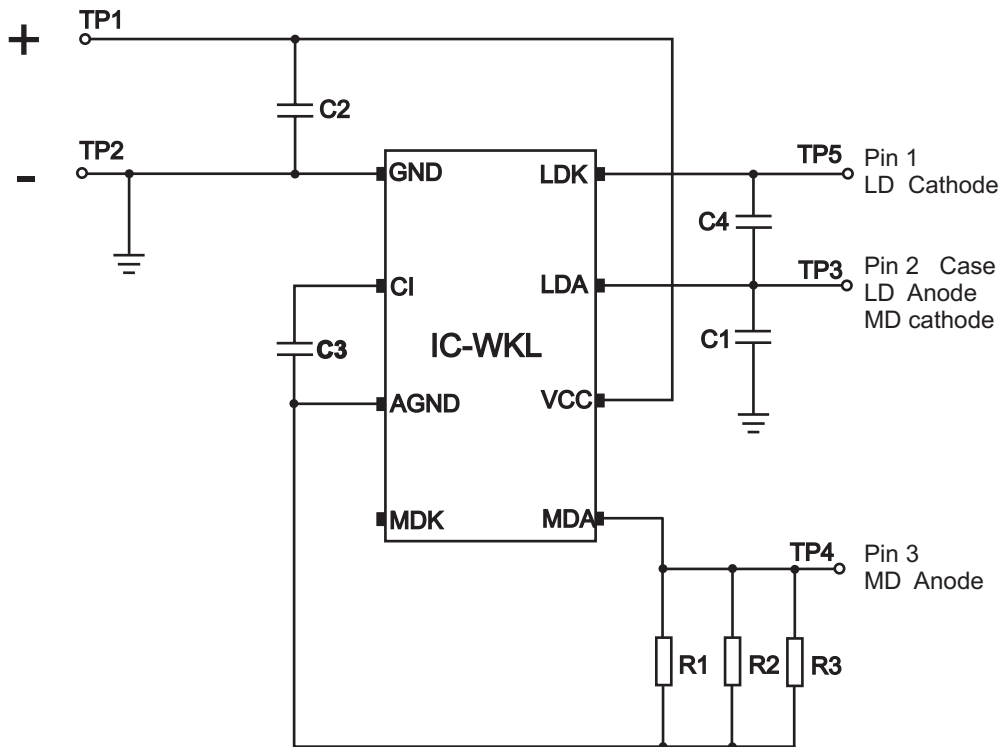
Description

PCB layout is designed for laser diodes with N-Type connection. The power adjustment of the laser diodes is carried out with the R2+R3 resistor, which is parallel to the already equipped R1 resistor. R1 has a value of 36 KiloOhm, so that most laser diodes can be operated in lower performance range. In order to increase the optical power of the laser diode, the total R1//R2//R3 resistor is decreased by the R2+R3 resistor.

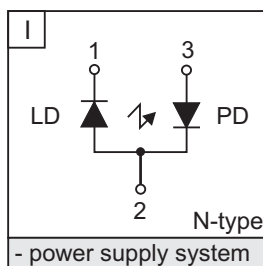
Calculation of R_{tot} :

$$\frac{500 \text{ mV}}{I_{\text{monitor}} \text{ mA}} = R_{\text{tot}}$$

Circuit diagram



Pin-connection of the laser diode



Attention:
Diagrams can vary depending on manufacturer.