

## **Laser Heater and TEC Driver Board**

### **Model: LHT-72**

The driver board consists of three PID closed-loop control circuits for regulating the laser current, heater current, and TEC temperature. It is an ideal solution for Osram PL-530 laser diodes with integrated heater and TEC, all controlled on a single driver board.

#### **Features:**

1. Compact size, easy to use, with stable current and temperature control.
2. Laser current adjustable up to 460 mA.
3. Heater current adjustable up to 90 mA for a 33-ohm heater.
4. TEC temperature is preset to the optimal operating temperature for the Osram PL-530 laser. Users may adjust the temperature via an optional on-board potentiometer.
5. Input DC voltage: +5 VDC ( $\pm 0.5$  V), 2 A.
6. Laser current, heater current, and temperature are set via three on-board potentiometers.
7. Two red/green LEDs indicate Temperature OK and Laser Enable status.
8. Board size: 72 mm  $\times$  52 mm.

