

Power Drive Controls

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Laser Heater and TEC Driver Board Model: LHT-94 Rev. I

The driver boards consist of 3 PID close loop circuits to control laser and heater currents as well as laser temperature. It is an ideal solution for Osram OptoPL-530 laser diodes that built with the heater and TEC butterfly type laser sources.

Features:

1. Small size, easy to use with stabilized current and temperature controls
2. The laser current can be controller up to 460 mA.
3. The heater current can be controlled up to 80 mA for 30 ohm heater.
4. The TEC temperature can be set from 20C to 40C.
5. Input DC voltage: +5 VDC (+/- 0.5V), 2 Amp.
6. The laser current, heater current, and temperature are controlled by 3 on-board potentiometers or external control signals.
7. Red/Green LED displays Power/TEC temperature Good status.
8. Board Size: 94 mm x 29 mm

