

## **Power Drive Controls**

1846 Santo Domingo  
Camarillo, CA 93012  
U. S. A.  
[www.pdcontrol.com](http://www.pdcontrol.com)

---

## **Application Notes for PL530 Laser**

To achieve a stable and optimized PL530 laser power output, it is necessary to use Thermoelectric Coolers (TEC) to keep the laser diode at a constant temperature while setting the proper laser and heater currents of PL530.

The recommended TECs and thermistors are:

TEC: from DigiKey

PN:

926-1457-ND

926-1461-ND

1487-387006839-ND

Thermistor:

PN: ERT-JZEG103FA

Or other thermistors with Nominal Resistance 10K ohm @ 25 C

Please refer to the user experience on how to integrate TEC and thermistor into the PL 530 laser

<http://www.pdcontrol.com/LHT/Nightlase.pdf>