



*Simply Advanced Control  
Laser Diode Drivers & Temperature Controllers*

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Contact: Lisa Mueller  
Wavelength Electronics Inc.  
406-587-4910  
lisa@teamwavelength.com

### **Compact Linear Laser Diode Driver to 12.5 A**

*The PLD-CH Chassis Mount Series has a NEW 12.5 A Model – the PLD12.5K-CH*

The popular PLD-CH Series is now available in a 12.5 A model. This new driver supports fiber-coupled lasers used in applications such as medical, dental, micro-machining, material processing, semiconductor inspection, and imaging.

The PLD-CH Series offers simple low voltage operation from +5 V DC, which minimizes heat dissipation. For applications that require a higher forward voltage, a separate laser diode power supply input allows for flexible compliance voltages up to +28 VDC.

Safety is paramount on all Wavelength Electronics controllers. The PLD-CH Series safety features include:

- Slow start circuit
- Mechanical shorting relay
- Active Current Limit

These offer maximum protection for your laser diode even when power is removed. The Active Current Limit not only protects your laser diode, but ensures that you are operating with maximum stability. Two photodiode ranges provide variable sensitivities for optimum performance. You can maintain excellent stability in both Constant Current and Constant Power mode. The PLD-CH Series supports all laser diode / photodiode pin configurations. The 12.5 A model has a 50 kHz Bandwidth with < 0.05% output stability, one-hour stability of < 200 ppm and a < 200 ppm/°C temperature coefficient.

Other features include:

- Remote Enable/Disable
- Remote monitoring
- Analog modulation of setpoint current
- Drivers can be paralleled for up to 25 A of stable output current

Wavelength Electronics has simplified advanced laser diode drive and thermal control technology for OEM and research applications since 1993. Our high performance specifications are supported by a team of experienced sales and design engineers and a state-of-the-art manufacturing facility.

To learn more about the PLD12.5K-CH, the PLD-CH Series improvements and Wavelength's complete line of high precision, low-noise, ultra-stable laser diode drivers and temperature controllers call 406-587-4910 or visit us at [www.teamWavelength.com](http://www.teamWavelength.com). Evaluation units are available from stock.

