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Laser Diode
Controllers

Temperature/TEC
Controllers

LD/TEC Controllers

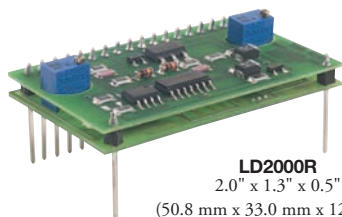
LD/TEC Platforms

LD Mounts

LED Drivers

LED Mounts

Constant Power Laser Diode Drivers with Analog Modulation

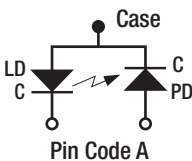


LD2000R
2.0" x 1.3" x 0.5"
(50.8 mm x 33.0 mm x 12.7 mm)
Supports Pin Configuration A

LD2000R Features

- Constant Power (CP) Mode from 20 μ A to 125 μ A
- DC to 30 kHz Modulation
- Laser Drive Currents from 0 to 100 mA
- Low-Noise/Ultra-Stable Laser Control (<0.1% Drift after 24 Hours)
- On-Board Trim Pots Control Laser Power and Current Limit
- Slow Start for Diode Protection

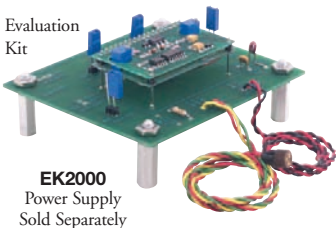
Supported Pin Style



Supports common laser diode anode and photodiode cathode

The LD2000R low-noise, ultra-stable laser diode current source can be operated with laser diodes that have a common laser diode anode and monitor photodiode cathode. The driver operates in constant power (CP) control mode using the built-in monitor photodiode integrated in the laser diode for feedback. On-board trim pots are provided for controlling the laser power and current limit, which can also be controlled via an external voltage source. The LD2000R supports pin style A laser diodes (common laser diode anode and photodiode cathode) with drive currents up to 100 mA and photodiode currents from 20 μ A to 125 μ A. The LD2000R also has an external input for support of applications requiring modulation of the laser output.

The EK2000 Laser Diode Driver Evaluation Kit allows users to quickly set up the LD2000R with a laser diode and a DC power supply without having to develop extensive hand-wiring or a custom PCB. All of the LD2000R features are supported with convenient, easy-to-use connector interfaces.



EK2000
Power Supply
Sold Separately



LDS2
Power Supply

ITEM #	\$	£	€	RMB	DESCRIPTION
LD2000R*	\$ 129.00	£ 92.88	€ 112,23	¥ 1,028.13	100 mA APC Laser Diode Driver, DC - 30 kHz Modulation, RoHS Compliant
EK2000*	\$ 159.00	£ 114.48	€ 138,33	¥ 1,267.23	Evaluation Kit, Pre-Wired for Laser Pin Style A
LDS2	\$ 87.00	£ 62.64	€ 75,69	¥ 693.39	9 VDC Power Supply for EK2000 Evaluation Kit

*LDS2 power supply sold separately.

Have you seen our...



TO-Packaged Pigtail

Pigtailed Laser Diodes

- ◆ SM Pigtails from 405 to 2000 nm
- ◆ PM Pigtails from 635 to 1550 nm
- ◆ MM Pigtails with 635 m or 660 nm CWL
- ◆ Custom Pigtails Available Upon Request

Our high-quality pigtail alignment process for laser diodes includes multiple test and inspection points that ensure maximum coupling efficiency. In addition, the input end of the fiber is cleaved at an 8° angle in order to minimize back reflections that can cause the output intensity to fluctuate. Versions are offered based on TO-packaged diodes (Ø5.6 or Ø9 mm) or 14-pin butterfly packages.



Pigtailed Laser Diode Alignment

See pages 1252 - 1260