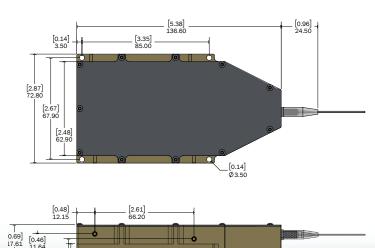


PLD-454-200-970-CHL Multi-mode Fiber-coupled Packaged Diodes





FEATURES

- ▶ 970 nm Center Wavelength
- ▶ 380 W Output Power
- ▶ >50% Typical Wall-plug Efficiency
- ▶ Robust Compact Package
- Wavelength Stabilization and Dichroic Options
- ▶ 200 µm Core Fiber Diameter



APPLICATIONS

- Amplifier Pumping
- Direct Diode Lasers
- Laser Pumping
- ► Material Processing
- ▶ Graphic Arts / Printing
- Medical & Dental
- ▶ Illumination
- Photovoltaics

IPG Photonics **PLD-454-200-970-CHL** fiber-coupled packaged diodes provide 380 W of output power at 20 A. The PLD-454 features a 200 µm fiber core diameter and a 970 nm center wavelength. Wavelength stabilization and dichroic options are available.

IPG best-in-class diode technology offers an ideal combination of power, reliability and form factor. At IPG, we manufacture to rigorous telecom-grade standards in the world's largest high power diode fab. Each wafer is individually qualified, which sets IPG apart from alternative industrial pump products using shortlived diode bars and bar-stack technologies.PLD-454 packaged diodes are the preferred solution for fiber amplifier and laser pumping, material processing and direct diode applications.

PLD-454-200-970-CHL Multi-mode Fiber-coupled Packaged Diodes

970
+/- 5
380
<0.3
9
>50
2
20
Up to 36.7
25
0.35
200
227
900
<0.2

Minimum Fiber Bend Radius, mm 35 Maximum Ratings Operating Current (I_{op}), A 30 Reverse Voltage, V 7.5 Case Temperature °C 5 - 70

Fiber Length, m

Case Temperature, °C5 - 70Storage Temperature, °C-20 to 60Lead Soldering Temperature (10 s max) °C300Relative Humidity, %85



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X. AVERAGE OUTPUT POWER: 720 W E VAVELENGTH RANGE: 900-1000 nm C

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DANGER - INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT IEC 60825-1:2014