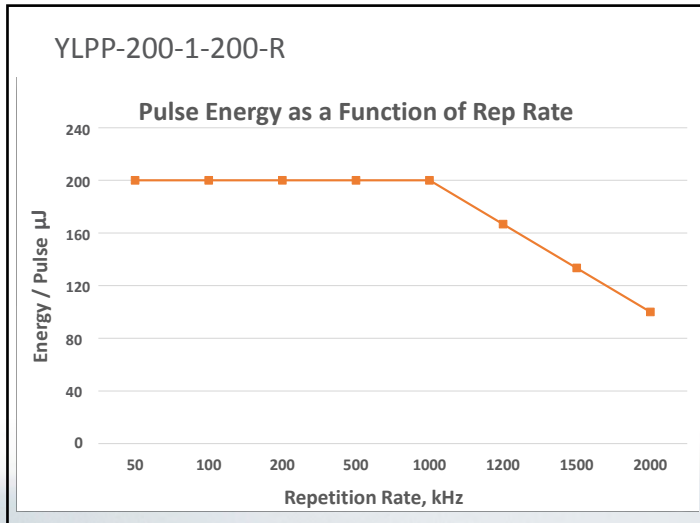
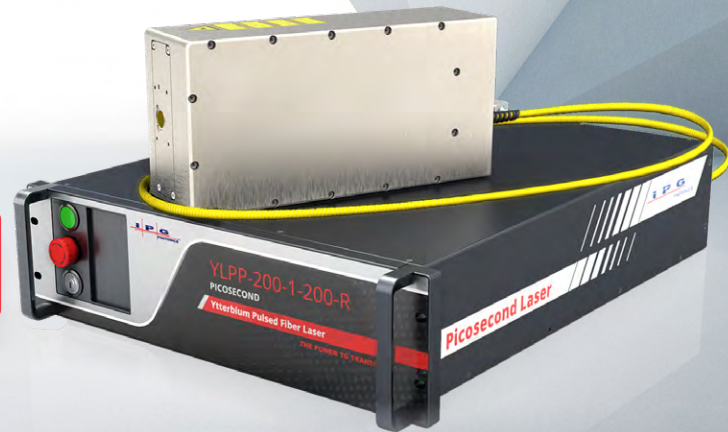


YLPP-200-1-200-R

Ytterbium Picosecond Hybrid Laser



Up to 200 W Output Power
1 - 5 picoseconds



NEW



FEATURES

- ▶ Wavelength 1030 nm
- ▶ Output Power up to 200 W
- ▶ Pulse Energy up to 200 μJ
- ▶ High Peak Power up to 200 MW
- ▶ Pulse Duration Options 1-5 ps
- ▶ Repetition Rate up to 2 MHz
- ▶ Low Maintenance
- ▶ Rugged Design



APPLICATIONS

- ▶ Precision Micromachining
- ▶ Microdrilling
- ▶ Thin Film Ablation
- ▶ Photomask Cutting
- ▶ Medical Device Manufacturing
- ▶ LED Dicing
- ▶ Solar Cell Structuring
- ▶ Fine Tube Cutting
- ▶ Glass, Silicon, Ceramics, Polymer and Composite Material Processing

NEW YLPP-200-1-200 hybrid-fiber picosecond laser provides high peak power with scalable average output power of 200 W and customer selected pulse durations in the range of 1 to 5 ps at full operational repetition rate range of 50-2000 kHz.

The fiber design allows for the adjustment of peak power and/or pulse repetition rate without affecting any of the output beam parameters. IPG novel fiber laser is much more efficient, compact and easy to integrate into OEM equipment than conventional lasers now on the market. It is ideal for applications in precision micromachining.

The excellent beam quality, ultrashort pulse duration and high pulse energy combine to provide peak power densities suitable for micromachining virtually any material: metal, glass, ceramic, silicon, plastics. The ultrashort pulse duration results in a very small heat affected zone.

YLPP-200-1-200-R

Ytterbium Picosecond Hybrid Laser

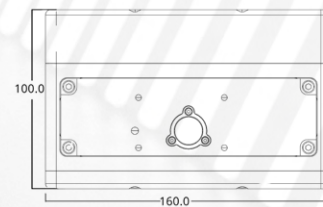
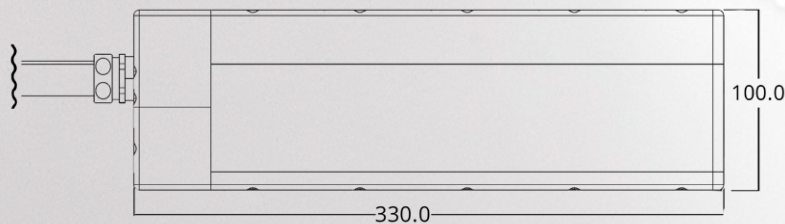
Optical Characteristics*

| | |
|-----------------------|-----------------|
| Wavelength, nm | 1030 |
| Max. Average Power, W | Up to 200 |
| Pulse Energy, μ J | Up to 200 |
| Pulse Duration, ps | 1-5 |
| Peak Power, MW | Up to 200 |
| Repetition Rate, kHz | 50-2000 |
| Beam Quality, M^2 | <1.5 (1.3 Typ.) |

*Customer can select models with specified power, pulse energy and pulse durations in 1 to 5 ps range. Shorter pulse durations and pulse energies are available upon request.

General Characteristics

| | |
|---|-------------------|
| Control Unit Dimensions (W x D x H), mm | 448x580x133 |
| Optical Head Dimensions (W x D x H), mm | 160x330x100 |
| Cooling | Water-cooled |
| Supply Voltage, VAC | 100-240, 50/60 Hz |
| Power Consumption, W | <1000 |



+1 (508) 373-1100;
IPGPhotonics.com/contact
www.ipgphotonics.com

MAX. AVERAGE OUTPUT POWER: 400 W
MAX. PEAK OUTPUT POWER: 400 MW
PULSE DURATION: 1-5 ps
PULSE REPETITION RATE: 50-2000 kHz
WAVELENGTH RANGE: 900-1200 nm

**DANGER - INVISIBLE LASER
RADIATION AVOID EYE OR SKIN
EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT**

IEC 60825-1:2014

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