

HLPP-2090-10-100-20

Ho:YAG Fiber Pumped Modelocked Laser

PRELIMINARY



Applications

- ▶ Plastics Marking
- ▶ Spectroscopy
- ▶ Plastics Cutting & Welding
- ▶ LIDAR
- ▶ Medical Therapy, Surgery
- ▶ OPO Pump Source



Features

- ▶ Operating Wavelength 2090 nm
- ▶ Pulse Duration 100 - 500 ps
- ▶ Output Power up to 20 W
- ▶ Repetition Rate 80 - 200 MHz

IPG Photonics' Ho:YAG modelocked picosecond laser provides up to 20 W output power at 2090 nm and repetition rate 80 to 200 MHz. The modelocked Ho:YAG head is pumped by IPG's efficient and reliable thulium fiber laser. The Ho:YAG-2090 pulsed laser addresses non-metal materials processing, scientific and medical applications.

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Optical Characteristics HLPP-2090-10-100-20

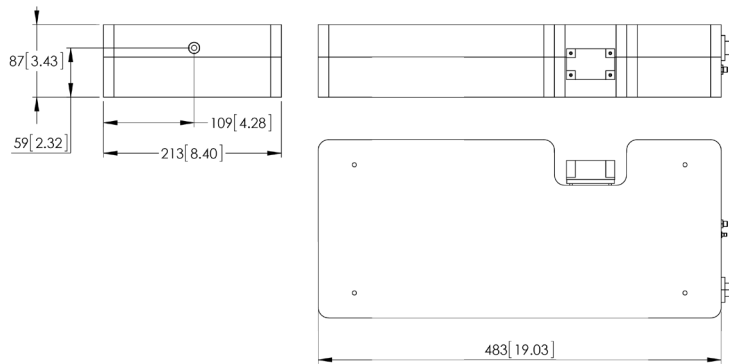
Wavelength, nm	2090
Maximum Average Power, W	20
Pulse Energy, μ J	10 typ.
Pulse Duration, ps	100 - 500
Repetition Rate, MHz	80 - 200
Polarization	Linear, > 100:1
Output Beam Mode, M^2	TEM_{00}
Warm up Time, min	< 5 from standby, 15 from cold start

Custom output powers, repetition rates and pulse durations are available upon request.

General Characteristics

Integrated Pump Laser*	IPG's CW Thulium Fiber Laser
Pump Laser Dimensions (WxDxH), mm	448 x 403 x 132
Optical Head Dimensions (WxDxH), mm	213 x 483 x 87
Supply Voltage, 50-60 Hz, VAC	110 - 240
Power Consumption, W	< 200

*Pump laser model depends on combination of parameters.

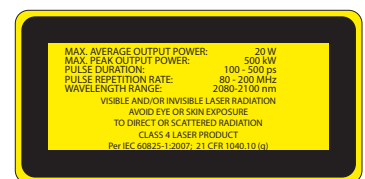


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