DIODE PUMPED

SpitLight DPSS 250-200 Nd:YAG-Laser

Features

- Compact laser head and power supply with small footprint
- Robust and stable resonator structure
- Maintenance-free pumping chamber
- Excellent beam quality and pointing stability
- Market leading diode lifetime
- Double pulse option available
- System can be injection seeded (SLM-Option)
- Versions with improved pulse-to-pulse stability and smooth gaussian beam profile available

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Model

Model	SL-DPSS250HR-200HZ

Energy

Pulse Energy @ 1064 nm	> 150 mJ
Pulse Energy @ 532 nm	> 70 mJ
Pulse Energy @ 355 nm	> 50 mJ
Pulse Energy @ 266 nm	> 10 mJ
Pulse Energy @ 213 nm	> 4 mJ
Energy Stability @ 1064 nm (RMS)	< 1,0 %
Energy Stability @ 532 nm (RMS)	< 1,5 %
Energy Stability @ 355 nm (RMS)	< 1,8 %
Energy Stability @ 266 nm (RMS)	< 2,5 %
Energy Stability @ 213 nm (RMS)	< 4,0 %

Beam Parameters

Pulse Width @ 1064 nm	8 - 10 ns
Pulse Width @ 532 nm	0,5 - 2 ns < PW @ 1064 nm
Pulse Width @ 355 nm	1 - 3 ns < PW @ 1064 nm
Pulse Width @ 266 nm	2 - 4 ns < PW @ 1064 nm
Divergence	< 0,5 mrad
Pointing Stability	< ± 50 µrad
Beam Diameter	~ 5 mm
Temporal Jitter	< ± 1 ns

Operating Parameters

Warranted Lamp Lifetime	2 years or 4 x 10^9 shots
Electrical Supply	208-240 VAC; 50 / 60 Hz; 2,5 kW
Cooling Water	8 l/min; 2-6 bar; < 15°C

Weights

Laser Head	15 kg
Power Supply	50 kg

Dimensions

Laser Head (L x W x H)	665 x 147 x 125 mm
Power Supply (L x W x H)	4 RU + 3 RU

InnoLas Laser GmbH | Justus-von-Liebig-Ring 8 | 82152 Krailling | Germany
Phone: +49 (89) 899 360 - 1400 | Fax: +49 (89) 899 360 - 1499
E-mail: info@innolas-laser.com | Homepage: www.innolas-laser.com

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