

SpitLight DPSS 250



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

SpitLight DPSS 250

Model		DPSS 250
Laser Parameters	Repetition Rate	Product available from 1 to 1000 Hz (Following specifications are for 100 Hz)
Energy	Pulse Energy @ 1064 nm	> 250 mJ
	Pulse Energy @ 532 nm	> 125 mJ
	Pulse Energy @ 355 nm	> 70 mJ
	Pulse Energy @ 266 nm	> 20 mJ
	Pulse Energy @ 213 nm	> 4 mJ
	Energy Stability @ 1064 nm (RMS)	< 0.5%
	Energy Stability @ 532 nm (RMS)	< 1.0%
	Energy Stability @ 355 nm (RMS)	< 1.3%
Beam Parameters	Pulse Width @ 1064 nm	8-10 ns
	Divergence	< 0.5 mrad
	Pointing Stability	< ± 50 µrad
	Beam Diameter	5 mm
	Temporal Jitter	< ± 1 ns
Operating Parameters	Warranted Diode Lifetime	> 4 x 10 ⁹ shots*
	Electrical Supply	230 VAC ± 10% (single phase), 50/60 Hz, 2.5 kW
	Cooling Water	8 l/min, 2-6 bar, < 20 °C
Weights	Laser Head	15 kg
	Power Supply	50 kg
Dimensions	Laser Head (in infrared) (L x W x H)	665 x 147 x 125 mm
	Power Supply (L x W x H)	560 x 400 x 425 mm

InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

* min. 80% energy for > 4 x 10⁹ shots or two years after installation – whichever comes first

