

SpitLight Compact DPSS

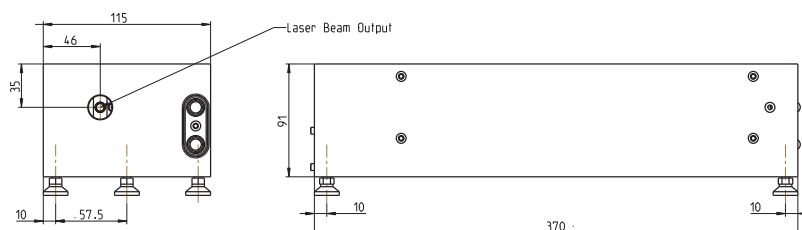


Features

- * Compact laser head and power supply with small footprint
- * Robust and stable resonator structure
- * Maintenance-free pumping chamber with ceramic reflector
- * Excellent beam quality and pointing stability
- * Long diode lifetime
- * Double pulse option available
- * System can be injection seeded (SLM-Option)

SpitLight Compact DPSS

Model		DPSS 3	DPSS 10	DPSS 100
Laser Parameters	Repetition Rate	Product available from 1 to 200 Hz (Following specifications are for 100 Hz)		
Energy	Pulse Energy at 1,064 nm	> 3 mJ	> 10 mJ	> 100 mJ
	Pulse Energy at 532 nm	> 1 mJ	> 5 mJ	> 60 mJ
	Pulse Energy at 355 nm	> 0.5 mJ	> 2.5 mJ	> 30 mJ
	Pulse Energy at 266 nm	> 0.3 mJ	> 0.5 mJ	> 10 mJ
	Pulse Energy at 213 nm			> 3 mJ
	Energy Stability at 1,064 nm (RMS)	< 0.5%	< 0.5%	< 0.5%
	Energy Stability at 532 nm (RMS)	< 1.0%	< 1.0%	< 1.0%
	Energy Stability at 355 nm (RMS)	< 1.5%	< 1.5%	< 1.5%
Beam Parameters	Pulse Width at 1,064 nm	25 ns	8-10 ns	8-10 ns
	Divergence	< 0.5 mrad (inst.)	< 0.5 mrad (inst.)	< 0.5 mrad (inst.)
	Pointing Stability	< ± 50 µrad	< ± 50 µrad	< ± 50 µrad
	Beam Diameter	1.5 mm	1.5 mm	5 mm
	Temporal Jitter	< ± 1 ns	< ± 1 ns	< ± 1 ns
Operating Parameters	Diode Life Time	10 ⁹ shots	10 ⁹ shots	10 ⁹ shots
	Electrical Supply	230 VAC, 50 Hz, 1.5 Kw	230 VAC, 50 Hz, 1.5 Kw	230 VAC, 50 Hz, 1.5 Kw
	Cooling Water	8 l/min; 2-6 bar; < 15 °C	8 l/min; 2-6 bar; < 15 °C	8 l/min; 2-6 bar; < 15 °C
Weights	Laser Head	10 kg	10 kg	10 kg
	Power Supply [kg]	25 kg	25 kg	25 kg
Dimensions	Laser Head (in infrared) (L x W x H)	370 x 115 x 91 mm	370 x 115 x 91 mm	370 x 115 x 91 mm
	Power Supply (L x W x H)	480 x 220 x 480 mm	480 x 220 x 480 mm	480 x 220 x 480 mm



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1,064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.



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