

Sol

Compact industrial ns DPSS lasers



Features

Up to 40W @ 1064nm

Up to 10W @ 532nm

Compact Q-Switched DPSS Laser

Compact Air-cooled Single Unit

Up to 200 kHz repetition rate

Electronic pulse energy modulation

Sealed and rugged

Monolithic design

24 V DC

RS232 monitor port

Applications

Material Processing

Marking

Scribing

Thin film removal

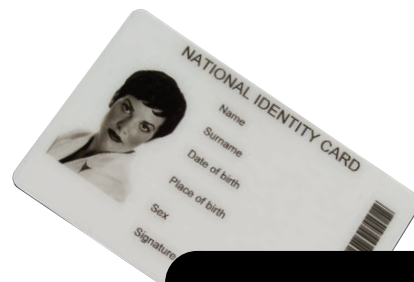
Micro-machining

LIBS

ID card marking

Nonlinear optics

Medical and Aesthetic



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Sol models

	Sol models								
	Sol 1064nm DPSS					Sol 532nm DPSS			Sol 355nm DPSS
Average Max Power	6W	10W	20W	30W	40W	3W	5W	10W	4W
Q-Switch Rep. rate	10 to 100 kHz (optional: Single Shot to 200 kHz)					10 to 100 kHz (optional: Single Shot to 200 kHz)			30 to 100 kHz
CW operating mode	YES					NO			NO
Pulsetwidth	6 to 80 ns					6 to 60 ns			10 to 35 ns
Beam diameter	< 8 mm (Integrated beam expander)					< 6 mm (integrated beam expander)			< 1mm (optional: external beam expander)
Cooling	Air-cooling (optional: water cooling, contact cooling)								Air-cooling
DC IN Voltage	24 V								Dual DC IN 15 V - 12 V
Operating temperature	15 to 40 °C		15 to 35 °C		15 to 40 °C			15 to 35 °C	

OPTIONS AVAILABLE:

Beam expanding and collimating optics
 Fiber Coupling
 Red aiming beam
 Extended operating temperature range
 Extended frequency range
 Pulsetwidth modulation
 Circular Polarization
 Monitoring Photodiode
 Remote Control Box and Software Interface
 AC-DC Power Supply

Bright Solutions Srl

Via Artigiani 27 27010 Cura Carpignano (Pv) Italy T (+39) 0382 583094

www.brightsolutions.it sales@brightsolutions.it