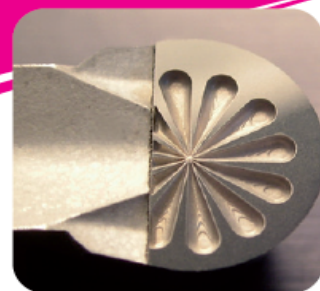


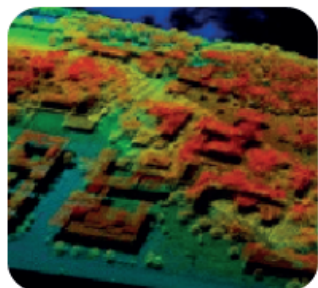
Onda

ns Q-Switched DPSS laser



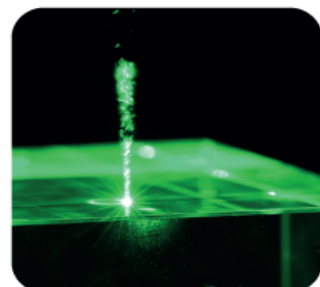
Features

- Up to 0.8mJ pulse energy
- @266nm @355nm @532nm @1064nm
- 2 to 10ns pulsewidth
- Single shot to 100kHz
- MOPA configurations
- Monolithic design
- Air cooling
- Low heat waste



Applications

- Specialty marking
- Micromachining of glass
- Electronic manufacturing
- LIDAR and bathymetry
- Thin film removal
- Hole drilling



Onda

ns Q-Switched DPSS laser



*Digital control box for simplified remote control

In the following table the main features of the standard configurations are presented.

Onda models	Onda 266nm	Onda 355nm	Onda 532nm	Onda 1064nm
Primary wavelength	266nm	355nm	532nm	1064nm
Max average power	1W	3W	5W	15W
Max pulse energy	80μJ	60μJ	400μJ	800μJ
Repetition rate	Single Shot to 50 kHz	50 to 100 kHz	Single Shot to 100 kHz	
Pulsewidth	2 to 6ns	7 to 15 ns	2 to 10ns	
Max peak power	40kW	10kW	200kW	400kW
Polarization	Linear 100:1 (option:circular polarization)			
Beam quality (M ²)	< 1.5		< 1.5	
Cooling	Air-cooled (option: water cooling and contact cooling)			
DC Voltage IN	24 V			
Overall mechanical dimensions	23 x 10 x 9 cm ³ (9 x 4 x 4 in ³)			
Total weight	< 4.5 kg (< 10 lbs)			

OPTIONS AVAILABLE:

Beam expanding and collimating optics * Fiber coupling * Low jitter option
 Extended operating temperature range * Pulse energy modulation * Circular polarization
 Monitoring photodiode * Red aiming beam * Remote control box and software interface
 AC-DC power supply * Higher energy MOPA configurations

Bright Solutions Srl

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

www.brightsolutions.it

sales@brightsolutions.it