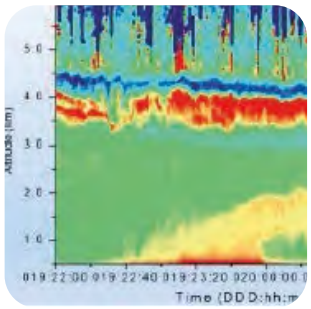
One DPSS

Miniaturized Q-switched and CW laser

ProCareLight
Light, Laser and Safety Solutions



Applications

Plastic marking

Material processing

ID card

Portable LIDAR

Remote sensing

Altimetry

Features

1 µm

Down to 3 ns

CW mode or Single Shot to 30 kHz

Up to 400 µJ

$M^2 < 1.3$

Miniaturized design

OPTIONS AVAILABLE:

Internal photodiode

Beam Expanding and Collimating optics

Red aiming beam

Heat-Sink

AC DC Power Supply

Custom packaging

BrightSolutions
SOLUZIONI LASER INNOVATIVE

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One is an example of how compact our lasers can be!
A nanosecond pulsed Q-Switched DPSS (also configurable in CW mode) laser source with up to 400 µJ pulse energy is integrated in a very small and lightweight contact-cooled package; this unique laser solution is currently used in very compact marking systems and in portable instrumentation.
The ns pulsewidth and 3W average power provide enough peak power to mark metals and plastics with extremely high quality, e.g. for gray-scale images, and to build LIDAR systems for atmospheric monitoring, altimetry and 3D mapping

	Microlaser models		
	Pulsed		CW
Pulsewidth ranges	< 5 ns	5 to 20 ns	Continuous mode
Pulse energy/Average power	up to 400 µJ	up to 100 µJ	up to 4 W
Repetition rate	up to 10 kHz **(external trigger)**	10 to 30 kHz **(external gate)**	-
Available wavelengths	1030, 1064, 515, 532 nm		
Beam Quality (M^2)	< 1.3		
Electrical requirements	15 V DC IN		
Operating temperature	10 to 40 °C		
Cooling	Conductive (Optional: heatsink)		

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