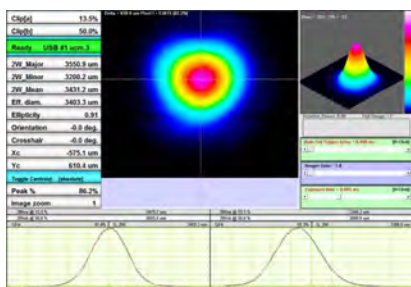


LS-2149/100, LS-2149/500, LS-2149/1k- TEM00

LOTIS TII introduces the new DPSS lasers with various pulse repetition rate. They have a built-in second harmonic (532 nm) and can be supplied with external harmonics generators.

DPSS Q-switched Nd:YAG lasers

- Close to TEM00 beam.
- Up to 1kHz pulse repetition rate.
- Compactness and high reliability.
- Built-in monitors of 1064 nm and 532 nm output energy.
- TTL external triggering of pump diode and Q-switch.
- Full PC control.
- Automatically switching output wavelengths.



Typical beam profile in far field

SPECIFICATIONS¹

Model	LS-2149/100	LS-2149/500	LS-2149/1k-TEM00
Energy, mJ			
1064 nm	30	12	8
532 nm	15	6	4
355 nm	6 ²	3 ²	2 ²
266 nm	3 ²	-	-
Pulse duration (FWHM, at 1064 nm), ns	12-15	12	12
Pulse repetition rate, Hz	up to 100	500	1000
Beam divergence, mrad	≤2.0		≤1.5
Beam diameter, mm	≤3.0		≤2.0
M2	-		<2
Jitter, ns		±1.0	
Energy stability (RMS at 1064 nm), %		<1.0	
Size L x W x H, mm (Weight, kg)			
Laser head		602 x 160 x 96 (10.0)	
Power supply		390 x 364 x 192 (9.6)	
Cooling system		325 x 260 x 325 (12.5)	
Remote control		105 x 175 (0.5)	
Power requirements	Single phase, 100-240V, 50/60Hz, universal input		
Consumed power, W	350	600	1000

¹ All specifications are subject to change without notice

² With external harmonics generator HG-T, HG-F



Overall sizes of above DPSS lasers