

LS-2138N, LS-2138N-TF, LS-2138N/100

LS-2138N, LS-2138N-TF, and LS-2138N/100 are the modern improved models of LOTIS TII high repetition rate Q-switched lasers for technology, medicine and various kind of scientific applications.

High repetition rate Nd:YAG Laser



Main features:

-New laser head design provides easy switchable of all output wavelengths including 1064 nm without removing protective cover and additional alignment.

-The telescopic stable resonator has given the benefits of uniform beam quality, high energy and low beam divergence.

-High stability and durability of the output parameters are provided by special temperature control of nonlinear and Q-switched crystals as well as laser resonator special design.

-Full PC-control wavelength switching options are available on request.

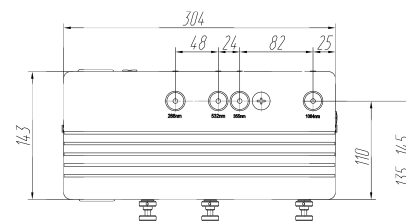
Specifications¹

Model	LS-2138N	LS-2138N-TF	LS-2138N/100
Energy, mJ	1064 nm	220	220
	532 nm	115	115
	355 nm	45 ²	45
	266 nm	30 ²	30
	213 nm	6 ³	6 ³
Pulse duration (FWHM, at 1064 nm), ns	10-12		10-12
Pulse repetition rate, Hz	50		100
Beam divergence, mrad	≤1		≤1.5
Beam diameter, mm	≤5		≤5
Jitter, ns	±1.5		±1.5
Energy stability 1064nm (RMS), %	≤1.5		≤1.5
Size L x W x H, mm (Weight, kg)			
Laser head	820x304x143(26.0)	1020x304x143(30.0)	820x304x143(26.0)
Power supply	446x449x177(22.0)	446x449x177(22.0)	446x449x177(23.0)
Cooling system	446x449x266(23.0)	446x449x266(23.0)	630x485x310(65.0)
Remote control	130x180(0.5)	130x180(0.5)	130x180(0.5)
Power requirements	Single phase, 220±20 V, 50/60 Hz, 2000 W		Single phase, 220±20 V, 50/60 Hz, 3500 W

¹ All specifications are subject to change without notice

² With external harmonic generator HG-TF

³ With external harmonic generator HG-Fifth



Overall sizes of LS-2138N-TF