

LS-2137U-N, LS-2147U-N/2 SHORT PULSED LASER

LS-2137U-N and LS-2147U-N/2 are the modern, short pulse modification of the power lasers LS-2137N and LS-2147N with VRM, which keeps such advantages of these models as rugged design, high stability and friendly used operation.



New laser head design provides easy switchable output beams at 1064 nm, 532 nm, 355 nm and 266 nm without removing protective cover and additional alignment.

Fourth harmonics generator based on BBO crystal allows to obtain high stability of 266 nm wavelength.

VRM resonator gives excellent harmonics conversion due to increased spatial uniformity of output beam, low divergence and short pulse duration.

LS-2137U-N and LS-2147U-N/2 are the ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications.

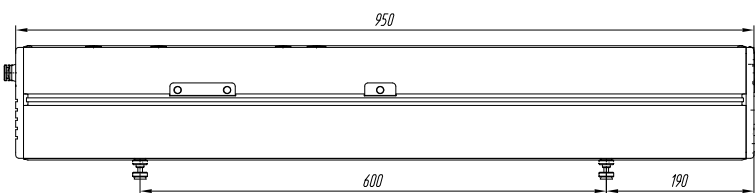
PC control wavelength switching is available on request.

SPECIFICATIONS¹

Model		LS-2137U-N	LS-2137U-N/2	LS-2147U-N/2
Energy, mJ	1064 nm	700	700	850
	532 nm	400	400	450
	355 nm	160	-	-
	266 nm	120	-	-
Pulse duration (FWHM at 1064 nm), ns		6-7		
Pulse repetition rate, Hz		10		
Beam divergence ($\Theta_{0.86}$), mrad		≤0.8		
Beam diameter, mm		≤8		
Jitter ² , ns		±1.5		
Energy stability 1064nm (StDev), %		≤1.0		
Size L x W x H, mm (Weight,kg)	Laser head	950 x 304 x 143 (17.0)	820 x 304 x 143 (14.0)	820 x 304 x 143 (14.0)
	Power Supply LPS-2230M	461x276x504 (26.0)	461x276x504 (26.0)	461x276x504 (26.0)
	Remote control	105 x 175 (0.5)	105 x 175 (0.5)	105 x 175 (0.5)
Input Power requirements		Single phase, 100-220V, 50/60 Hz, 1000 W		

¹ All specifications are subject to change without notice

² With respect to external trigger of Q-switch



Overall sizes of LS-2137U-N

