

LS-2134UTF Pulsed Nd:YAG Laser with VRM and Built-in Harmonics



LOTIS TII LS-2134UTF is a compact short pulse laser with built-in second, third, and fourth harmonics.

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

LS-2134UTF is an ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications.

Special OEM design with built-in fifth harmonic is available.

Specification

Parameter	Value	
Energy, mJ	1064 / 532 / 355 / 266 nm	270 / 170 / 60 / 40
Pulse duration, ns	1064 / 532 / 355 / 266 nm	7–8 / 6–7 / 5–7 / 5–6
Pulse repetition rate, Hz		1–15
Beam divergence, mrad		≤0.8
Beam diameter, mm		≤6.0
Jitter*, ns		±1.0
Pointing stability, mrad		0.1
Energy stability** (1064 nm), %		±3.0
Size L x W x H, mm (Weight, kg)	Laser head	653 x 185 x 113 (14.0)
	Power supply	363 x 364 x 192 (15.5)
	Cooling system	363 x 364 x 192 (12.5)
	Remote control	105 x 175 (0.5)
Power requirements	Single phase, 220±20 V, 50–60 Hz, 750 W	

* with respect to external trigger of Q-switch

** shot to shot for 99% of pulses

