

# LS-2134UF-5 Pulsed Nd:YAG Laser with VRM and Built-in Harmonics



*LOTIS TII LS-2134UF-5 is a compact short pulse laser with built-in second and fifth harmonics.*

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

LS-2134UF-5 is an ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications.

## Specification

| Parameter                       | Value                                   |                        |
|---------------------------------|---|------------------------|
| Energy, mJ                      | 532 / 213 nm                            | 170 / 6                |
| Pulse duration, ns              | 532 / 213 nm                            | 6-7 / 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

