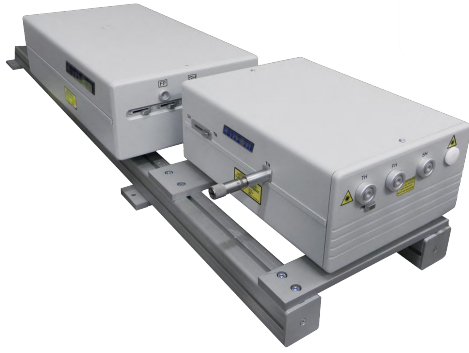


TUNABLE $Ti^{3+}:Al_2O_3$ OSCILLATOR-AMPLIFIER LASER SYSTEM LT-2211A



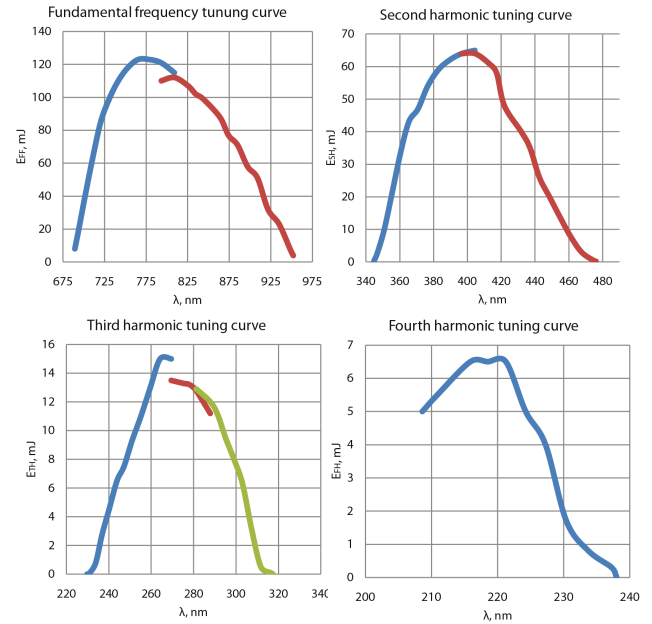
LT-2211A is the first of a new family of high power narrow line of LOTIS TII tunable lasers.

It combines several design features that maximize all-round performance. LT-2211A high-gain oscillator and double-pass amplifier produce short high energy pulses with narrow linewidth.

A wide range of LT-2211A options are available:

- PC control of tuning,
- Additional second, third and fourth harmonics generator assembly HG-STF,
- Intracavity Fabry-Perot etalon providing narrow linewidth.

TUNING CURVE LT-2211A



pumped $E_{532} = 450$ mJ

SPECIFICATIONS¹

Model	LT-2211A
Active medium	Ti:Sapphire ($Al_2O_3:Ti^{3+}$)
Tuning Range, nm	at Fundamental 690-950 at Second Harmonic 350-475 ² at Third Harmonic 230-320 ² at Fourth Harmonic 210-235 ²
Line Width, nm	0.1
Pump radiation conversion efficiency (at maximum of tuning range), %	at Fundamental 25 at Second Harmonic 10
Pulse repetition rate (max), Hz	20
Pulse duration (FWHM), ns	8-25
Beam divergence, mrad full angle for 86% of energy	≤ 1.5
Size LxWxH, mm (Weight, kg)	Laser Head 620x406x155 (23.0) Control Unit for LT-2211A-PC 256x257x111(2.0) HG-STF 498x236x130(8.0)

¹ All specifications are subject to change without notice

² With Harmonic Generator Assembly HG-STF

