



## Tunable Lasers Ti:Sapphire / Forsterite / OPO

Laser name	Wavelength	Maximal conversion efficiency	Puls duration / repetition rate	Divergence	Line width	Pump wavelength, Pump laser (Example)	Price (*-optional)
<b>Ti:Sapphire (Al<sub>2</sub>O<sub>3</sub>:Ti<sup>3+</sup>)</b>							
LT 2211	<b>690-1000nm</b> <b>350-500nm (SH)</b> <b>235-330nm (TH)*</b> <b>209-245nm (FH)*</b>	25%	8-30 ns / till 50 Hz	< 1.5 mrad	0.1nm	532nm, LS 2132	12,329 €
LT 2211 FP (with Fabry-Perot)	<b>690-1000nm</b> <b>350-500nm (SH)</b>	10%	8-30 ns / till 50 Hz	< 1.5 mrad	0.01nm	532nm, LS 2132	13,817 €
LT 2211FF	<b>690-1000nm</b>	25%	8-30 ns / till 50 Hz	< 1.5 mrad	0.1nm	532nm, LS 2132	11,212 €
LT 2211A	<b>690-1000nm</b>	25%	8-30 ns / till 50 Hz	< 1.5 mrad	0.1 (0.01*)nm	532nm, LS 2132	26,319 €
LT 2211A-SHG	<b>690-1000nm</b> <b>350-500nm (SH)</b>	25%	8-30 ns / till 50 Hz	< 1.5 mrad	0.1 (0.01*)nm	532nm, LS 2132	by request
LT 2211A-PC	<b>690-1000nm</b> <b>350-500nm (SH)</b>	25%	8-30 ns / till 50 Hz	< 1.5 mrad	0.1 (0.01*)nm	532nm, LS 2132	32,422 €
<b>Forsterite (Mg<sub>2</sub>SiO<sub>4</sub>:Cr<sup>4+</sup>)</b>							
LT 2212	<b>1160-1360nm</b> <b>580-680nm (SH)</b>	9%	8-30 ns / till 50 Hz	< 1.5 mrad	0.8nm	1064nm, LS 2134	12,329 €
LT 2212FP (with Fabry-Perot)	<b>1160-1360nm</b> <b>580-680nm (SH)</b>	9%	8-30 ns / till 50 Hz	< 1.5 mrad	0.2nm	1064nm, LS 2134	13,817 €
LT 2212G (with grating)	<b>1180-1350nm</b> <b>590-675nm (SH)</b>	5%	8-30 ns / till 50 Hz	< 1.5 mrad	0.01nm	1064nm, LS 2134	16,050 €
LT 2212G-100	<b>1200-1280nm</b> <b>600-640 nm (SH)</b>	2%	8-30 ns / till 100 Hz	< 1.5 mrad	0.01nm	1064nm, LS 2134	by request
LT 2212A-PC	<b>1160-1360nm</b> <b>580-680nm (SH)</b>	9%	8-30 ns / till 50 Hz	< 1.5 mrad	0.8nm	1064nm, LS 2134	by request
<b>OPO (Optical Parametric Oscillator)</b>							
LT 2214 (OPO type I)	<b>410-690 nm</b> <b>715-2300 nm</b>	40%	1-2 ns shorter then pump pulse / till 50 Hz	4-8 mrad	0.5nm	355nm, LS 2137	14,164 €
LT 2214-PC PC controlled tuning	<b>410-690 nm</b> <b>715-2300 nm</b>	40%	1-2 ns shorter then pump pulse / till 50 Hz	4-8 mrad	0.5nm	355nm, LS 2137	21,259 €
LT 2215 (OPO type II)	<b>415-710 nm</b> <b>710-2300 nm</b>	30%	1-2 ns shorter then pump pulse / till 50 Hz	4-8 mrad	0.15nm	355nm, LS 2137	15,305 €
LT 2215-PC PC controlled tuning	<b>415-710 nm</b> <b>710-2300 nm</b>	30%	1-2 ns shorter then pump pulse / till 50 Hz	4-8 mrad	0.15nm	355nm, LS 2137	22,313 €
Second harmonic generator for SHG for LT 2215	<b>210-420 nm</b>						by request