



LithiumSix912

Product Description:

LithiumSix912 is the first triple wavelength high power femtosecond laser on the market. The laser scheme is very simple: our high-power femtosecond oscillator is combined with a nonlinear medium where the single input line is converted into several output wavelengths (940, 1050 and 1200 nm) that are spatially overlapped and they can also be used simultaneously. Our innovative laser represents the real breakthrough for the most advanced scientific applications where mode-locking pulse trains are required at different wavelengths. With LithiumSix912 you will enjoy the power of having three ultrafast lasers in one!



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LASER SPECIFICATIONS

Center Wavelength	940 nm	1050 nm	1200 nm
Pulse Duration	< 160 fs	< 150 fs	< 180 fs
Pulse Energy	< 18 nJ	< 25 nJ	< 12.5 nJ
Average Power	> 1.5 W	> 2 W	> 1 W
Spectral Shape	Gaussian		
Repetition Rate	80 MHz		
Beam Quality	M2 < 1.1		
PER	> 23 dB		
Amplitude Noise	< 1 % rms		
Warm-up Time	< 20 sec		
Operation Temperature	10 - 40 °C		
Head dimensions	400 X 200 x 100 mm		
Head Weight	10 Kg		

Wavelength selection and dispersion control module is available as stand-alone accessory.