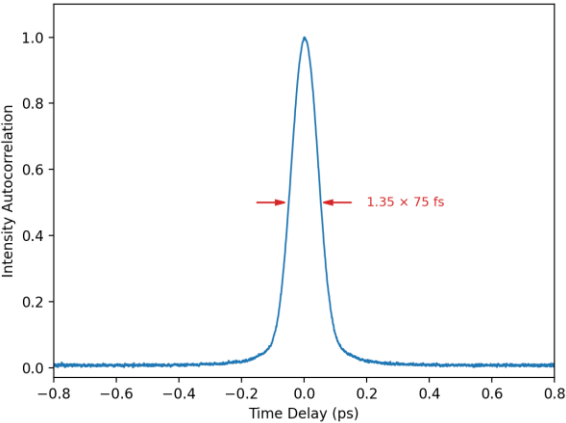


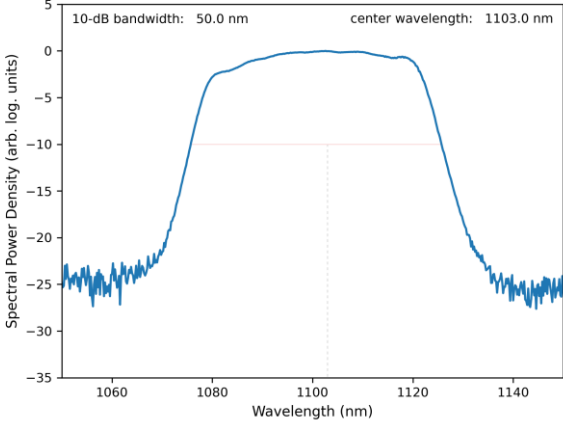
VALO Tidal 1100

< 75 femtoseconds | 1100 nm | Ultrafast Fiber Laser

Typical Autocorrelation Measurement



Typical Optical Spectrum

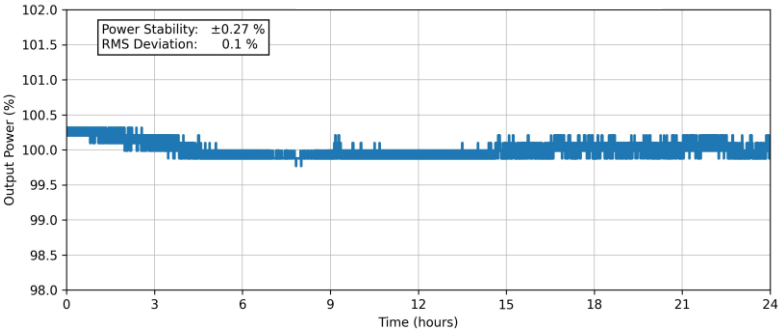


PARAMETER	SPECIFICATION
Pulse Duration (FWHM)	< 75 fs
Average Power	> 1.0 W
Repetition Rate	$30 \pm 1 \text{ MHz}$
Pulse Energy	> 33 nJ
Power Stability (RMS)	< 0.5 %
Dispersion Compensation	- 37,000 to +6,000 fs ²
Center Wavelength	$1100 \pm 10 \text{ nm}$
Spectral Bandwidth	> 45 nm (at -10 dB)
Spatial Mode (M^2)	< 1.3

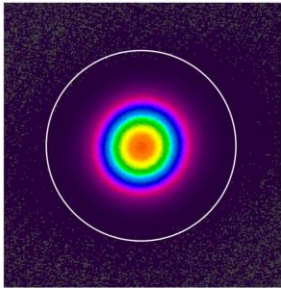
Applications

Excitation of red fluorophores
(mCherry, mOrange, RCaMP, ...)
3-Photon Imaging
Brain Imaging
Multiphoton Microscopy
Spectroscopy

Output Power vs. Time



Typical Beam Profile at Focal Point



Specifications and technical data are subject to change without notice due to technical developments.



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