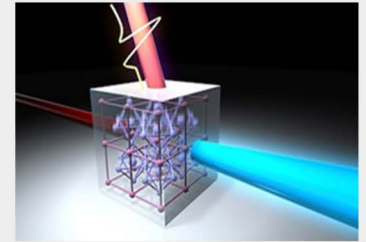
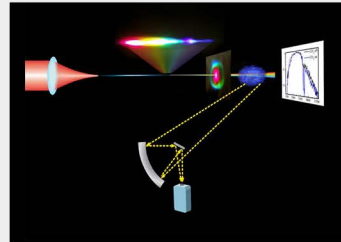


Multichannel Broadband Tunable Ultrafast Fiber Laser - OPPO SP

OPPO-SP is a tunable fiber laser developed specifically for Silicon Photonics and mid-infrared ultrafast nonlinear photonics research. Compared with solid-state OPO systems, OPPO-SP has decisive advantages in terms of power and pulse energy in the range beyond 2000 nm, where two-photon absorption in silicon diminishes. In addition, the system is based on an all-fiber and modular architecture, featuring excellent stability, mode-quality and cost/performance ratio.

OPPO-SP is also used by customers working in the fields of mid-infrared supercontinuum generation, and infrared material spectroscopy.



Key Features :

- Multi-channel
- Wavelength tunable
- Linearly polarization
- Diffraction limited beam

Applications :

- Medium infrared spectrum
- Pump-Probe
- Nonlinear optics
- Silicon photonics

» Main Specification:

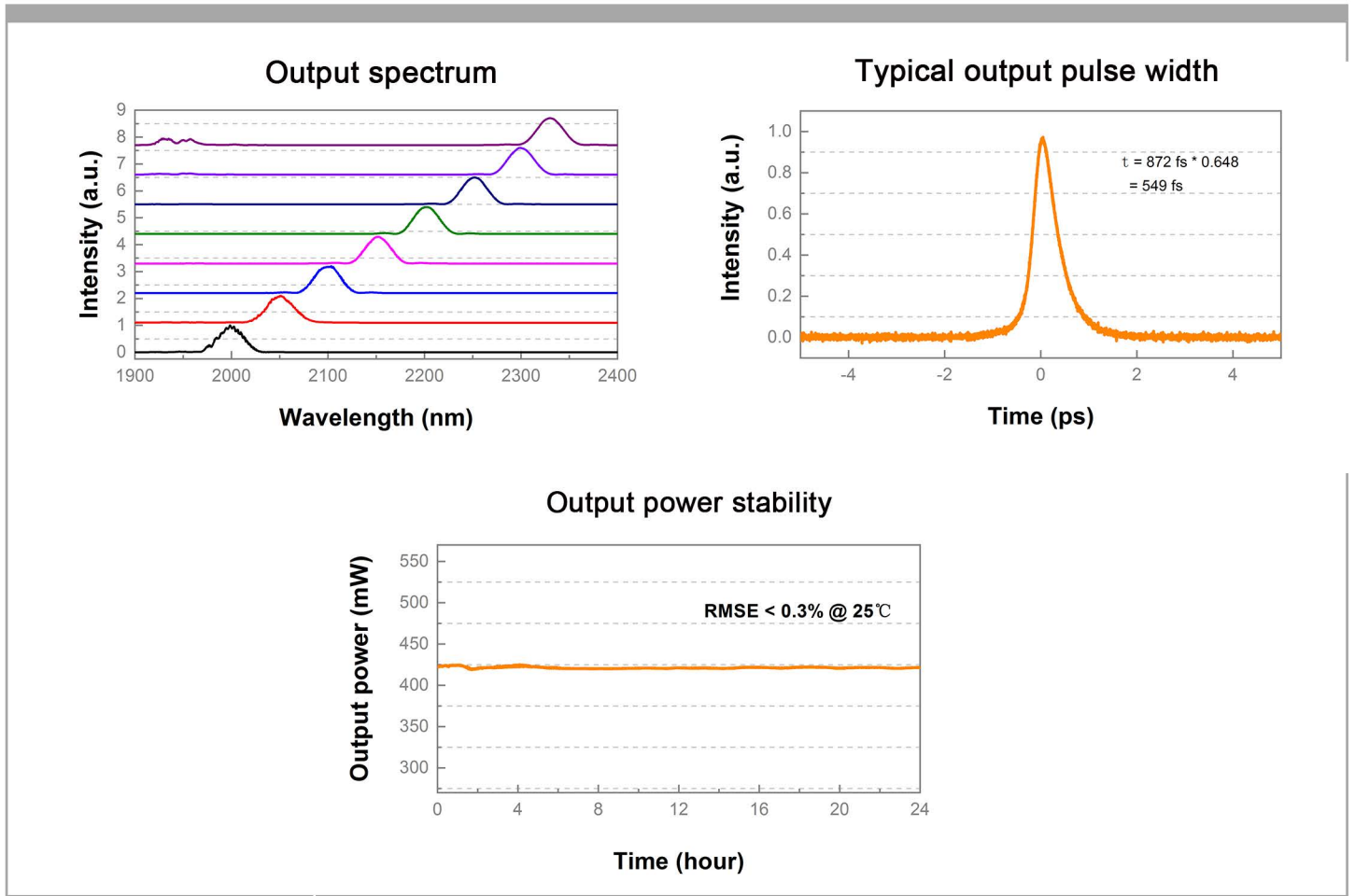
Laser Parameters

Operating Wavelength	nm	2000-2350
Pulse Width (FWHM)	ps	<1
Repetition Rate	MHz	80
Average Power	mW	>300
Peak Power	kW	>100
Polarization Extinction Ratio	dB	>3
Beam Quality		TEM ₀₀ , M ² <1.1
Synchronization Signal	V	1 V @50 Ohm
Output Type		PM1550 Fiber,FC/APC Connector

Electrical, Environmental and Mechanical Parameters

Power Consumption	Watt	<150
Trigger Signal	V	1 V @50 Ohm
Supply Voltage	VAC	100-240 (50Hz/60Hz)
Operational Temperature Range	°C	10-45
Operational Humidity Range	%	20~80 (non-condensing)
Storage Temperature Range	°C	0-50
Storage Humidity Range	%	20~80 (non-condensing)
Weight Laser Head	kg	17
Dimensions Laser Head	mm(L×W×H)	390×298×115
Cooling		Air-cooled

Test Data :



Machine Drawing

