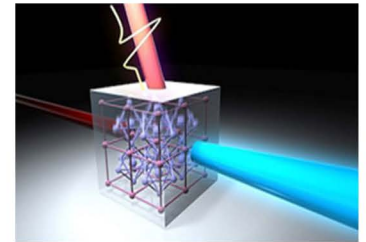
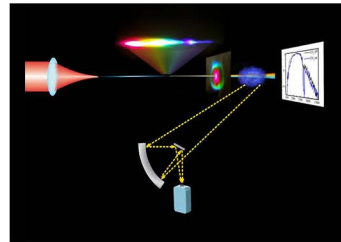


Multichannel Broadband Tunable Ultrafast Fiber Laser - OPPO SC

OPPO-SC is a wideband femtosecond supercontinuum light source that spans 1000-2400 nm. Different from conventional supercontinuum sources, OPPO-SC is pumped by a highly stable femtosecond fiber laser. The product is based on an all-PM architecture, ensuring excellent stability, mode-quality and cost/performance ratio.

OPPO-SC can be used with a tunable filter to enable wavelength tunability for a range of applications including multi-photon microscopy, SHG/THG spectroscopy, pump-probe / fluorescence lifetime microscopy as well as OCT and other ultrafast or nonlinear characterizations. The compactness and maintenance-free features make it an ideal substitute for conventional OPO/OPA systems.



Key Features :

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

Applications :

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

» Main Specification:

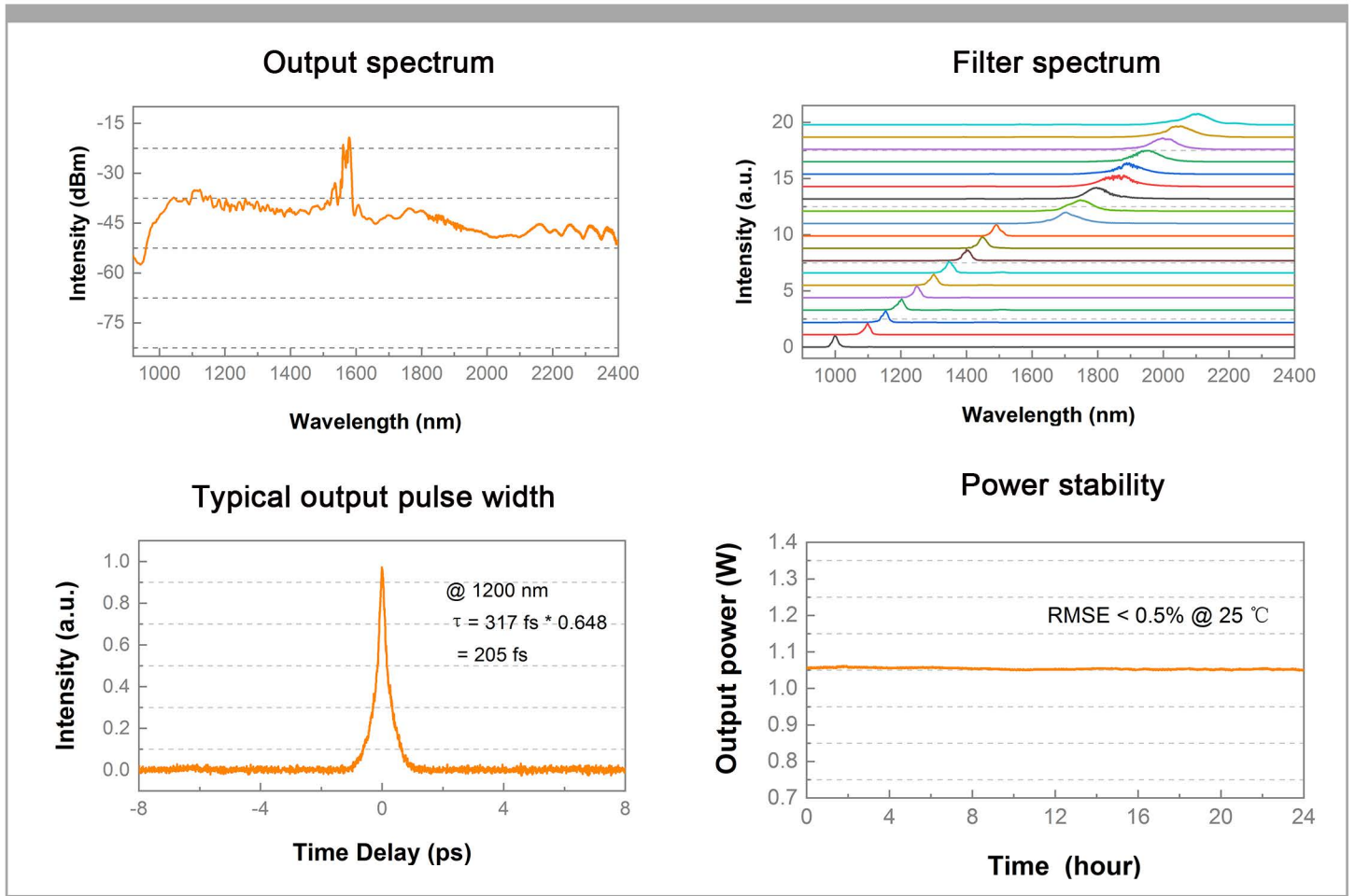
Laser Parameters

Operating Wavelength	nm	1000-2400
Pulse Width (FWHM)	fs	<300
Repetition Rate	MHz	80
Average Power	W	1 (full spectrum)
Average Power Stability	% RMS	<0.5 (24h@25°C)
Polarization Extinction Ratio	dB	>20
Beam Quality		TEM00, M ² <1.2
Output Type		Free-space /Shutter

Electrical, Environmental and Mechanical Parameters

Trigger Signal	V	1 V @50 Ohm
Power Consumption	Watt	<150
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

