



2000nm Widely Tunable Fiber Laser SuperTune2000



2023 V1

For customized projects please Contact us:

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2000 nm Widely Tunable Fiber Laser – ST2000

SuperTune2000 is a highly stable, widely tunable CW laser specially designed for the testing of optical components made for a 2um wavelength.

SuperTune2000 covers the wavelength range of 1900~2000nm, with a good cost-performance ratio, and bridged a gap in MIR and NIR wavelength range. SuperTune2000 can be also combined with TDFAs to achieve Watt-level power output.



SuperTune2000 is widely used in the testing of passive-fiber, optical coating, optical detectors and integrated optical parts around 2um. With its simple and smart design, it is a good platform for applications such as industrial detection, and long-wavelength optical testing platforms.

Key Features

- Fast wavelength sweep
- High spatial resolution
- Excellent power stability
- Diffraction limited beam
- Turn-key system

Applications

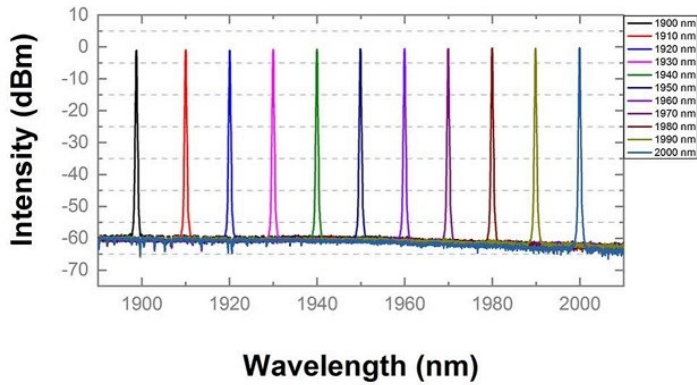
- Gas sensing
- Biomedical analysis
- Test and measurement
- Spectroscopy
- Silicon photonics

Main Specification

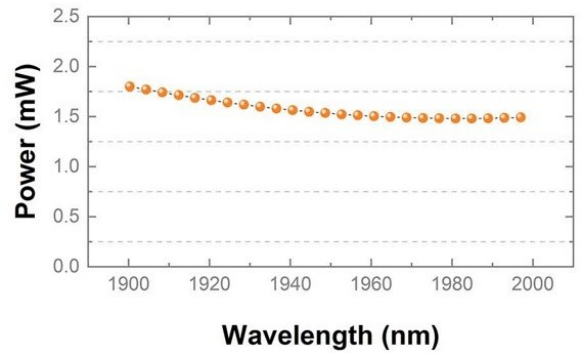
Laser Parameters		
Tuning Wavelength	nm	1900-2000 nm
Output Bandwidth	nm	< 1 nm
Tuning Step	nm	0.1 nm
Wavelength Accuracy	nm	< 0.2 nm
Average Power	mW	> 1 mW
Average Power Stability	% RMS	<1 % RMS (12h@25°C)
Beam Diameter		$M^2 < 1.2$
Output Fiber		SM2000 Fiber, FC/APC Connector
Electrical, Environmental and Mechanical Parameters		
Power Consumption	Watt	< 150 Watt
Trigger Signal	V	1 V @50 Ohm
Supply Voltage	VAC	100 - 240
Operational Temperature Range	°C	15-35
Operational Humidity Range	%	20-80 (Non-condensing)
Weight Laser Head	kg	17
Dimensions Laser Head	mm (LxWxH)	517 x 310 x 152 mm
Cooling		Air-cooled

Test Data

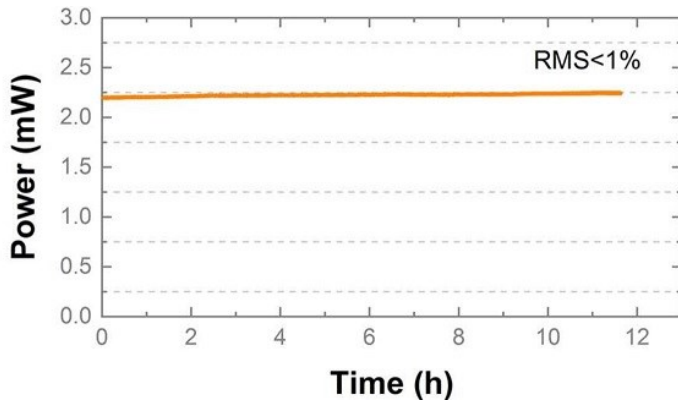
Output Spectrum



Output Power



Output Power



Operating Interface



Machine Drawing

