



2000nm Widely Tunable Fiber Laser SuperTune 2000



2022 V1

For customized projects please Contact us:

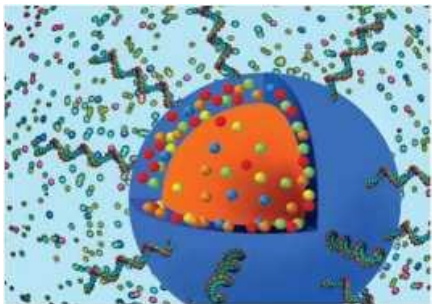
info@simtrum.com

SuperTune-2000 is a highly stable, widely tunable CW laser specially designed for the testing of optical components made for a 2um wavelength.

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



SuperTune-2000 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



Applications

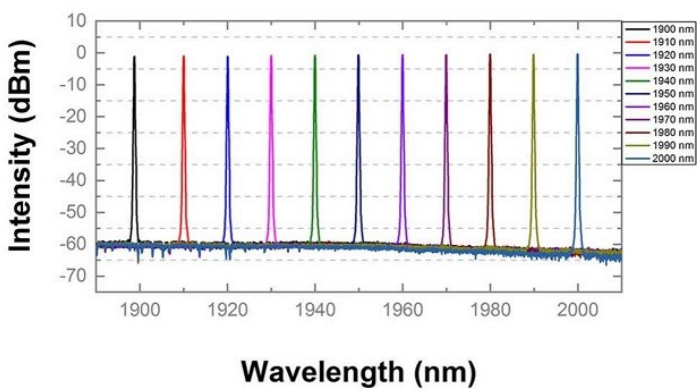
- Gas sensing
- Biomedical analysis
- Test and measurement
- Spectroscopy

Main Specification

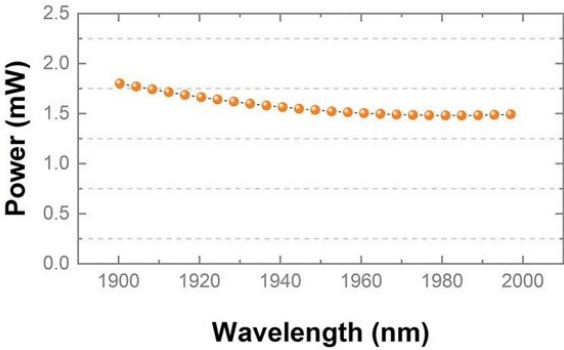
Laser Parameters		
Operating Wavelength	nm	1900-2050
Spectral Bandwidth	nm	<1
Average Power	W	>30
Average Power Stability	% RMS	<0.5 (12h@25°C)
Beam Diameter	mm	5
Output Polarization		Random/Linear Polarization
Output Fiber		Collimating Output
Electrical, Environmental and Mechanical Parameters		
Supply Voltage	AC	220V
Operational Temperature Range	°C	15-35
Operational Humidity Range	%	20-80 (Non-condensing)
Storage Temperature Range	°c	-20 ~ +50
Storage Humidity Range	%	20-80 (Non-condensing)
Weight Laser Head	kg	20
Dimensions Laser Head	mm (LxWxH)	405x356x91
Cooling		Air-cooled

Test Data

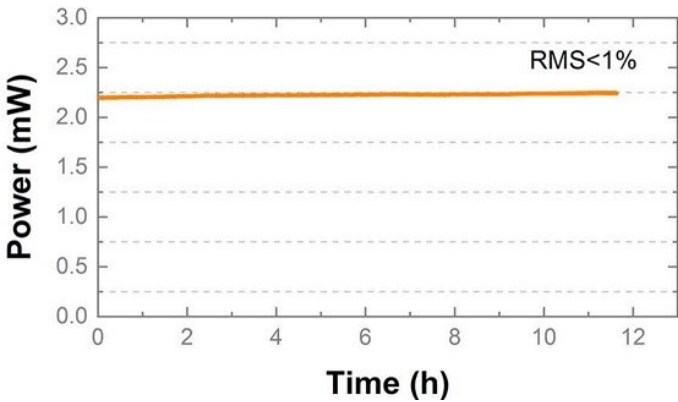
Output Spectrum



Output Power



Average Power Stability
Fixed wavelength power stability @2000nm



Operating Interface



Machine Drawing

