



CW Narrow Linewidth Laser (1- 2 μm)

STUL1064 & STUL2000



2023 V1

For customized projects please Contact us:

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1064nm Narrow Linewidth Fiber Laser – STUL1064

STUL1064 is a 1 μm CW fiber laser with MHz level narrow line width. It features high reliability and high output power up to Watt-level.

STUL1064 is widely used in MIR laser generation, spectroscopy analysis, non-linear optics and other research areas.

The laser can be used with TDFA HP to generate 10-W output power.

Key Features

- Customizable wavelength
- Very narrow spectral linewidth
- Single mode fiber delivery
- Diffraction limited beam
- Turn-key system

Applications

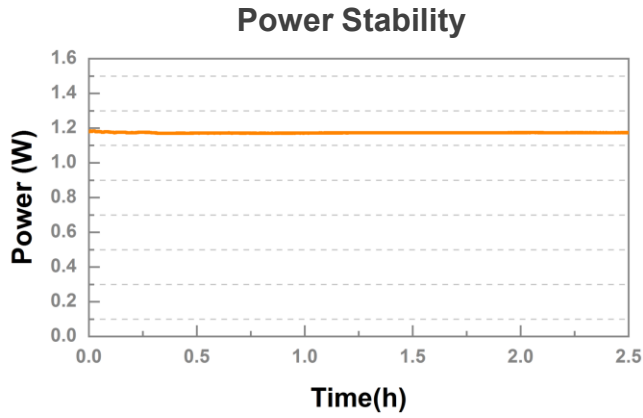
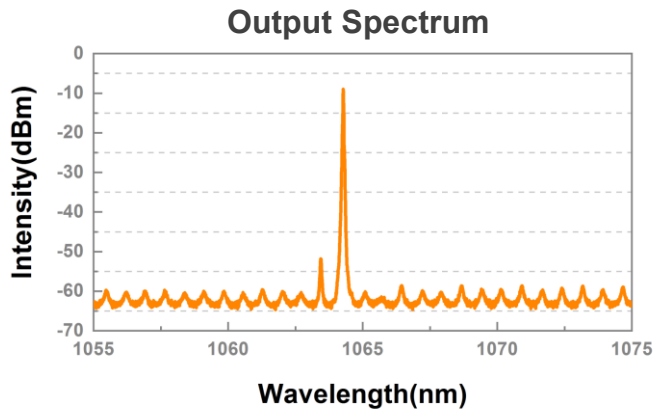
- Laser radar
- Environmental monitoring
- Molecular detection
- Laser frequency conversion
- Mid-IR related research



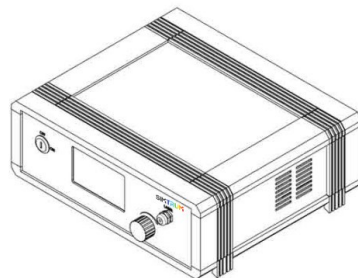
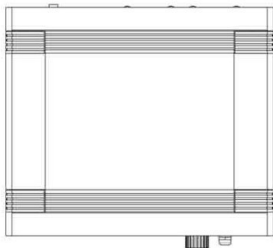
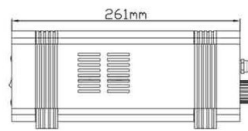
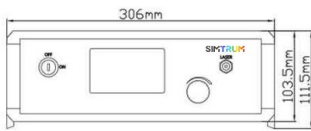
Main Specification

Laser Parameters		
Operating Wavelength	nm	1064 \pm 2 nm
Spectral Bandwidth	MHz	~2 MHz
Average Power	mW, W	100mW, 1W
Average Power Stability	% RMS	<1 % RMS (12h@25°C)
Beam Quality		TEM ₀₀ , m ² <1.1
Output Type		FC/APC Connector (100mW), Spatial collimation output (1W)
Electrical, Environmental and Mechanical Parameters		
Power Consumption	Watt	<150 Watt
Trigger Signal	V	1V @ 50 Ohm
Supply Voltage	VAC	100-240
Operational Temperature Range	°C	15-35
Operational Humidity Range	%	20-80
Weight Laser Head	kg	7
Dimensions Laser Head	mm (LxW*H)	306 x 261 x 111.5
Cooling		Air-cooled

Test Data



Machine Drawing



2000nm Narrow Linewidth Fiber Laser – STUL2000

STUL2000 is a 2 μm CW fiber laser with MHz level narrow line width. It features high reliability and high output power up to Watt-level.

STUL2000 is widely used in MIR laser generation, spectroscopy analysis, non-linear optics and other research areas.

The laser can be used with TDFA HP to generate 10-W output power.

Key Features

- Customizable wavelength
- Very narrow spectral linewidth
- Single mode fiber delivery
- Diffraction limited beam
- Turn-key system

Applications

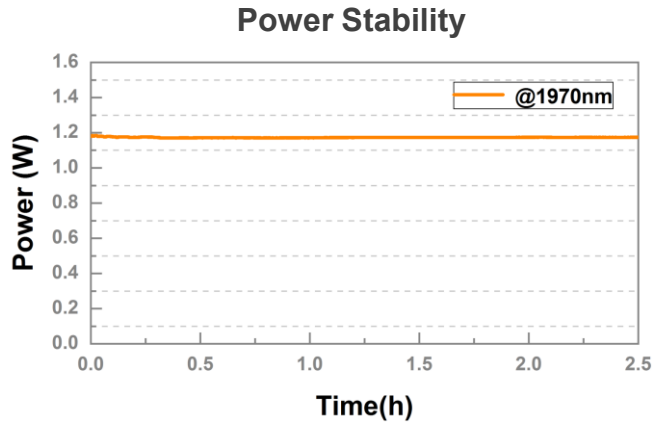
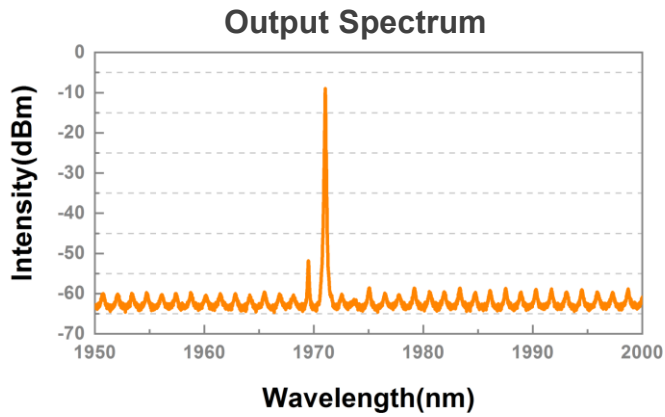
- Laser radar
- Environmental monitoring
- Molecular detection
- Laser frequency conversion
- Mid-IR related research



Main Specification

Laser Parameters		
Operating Wavelength	nm	1900-2100 nm
Spectral Bandwidth	MHz	~2 MHz
Average Power	mW, W	100mW, 1W
Average Power Stability	% RMS	<1 % RMS (12h@25°C)
Beam Quality		TEM ₀₀ , m ² <1.1
Output Type		FC/APC Connector (100mW), Fiber collimation output (1W)
Electrical, Environmental and Mechanical Parameters		
Power Consumption	Watt	<150 Watt
Trigger Signal	V	1V @ 50 Ohm
Supply Voltage	VAC	100-240
Operational Temperature Range	°C	15-35
Operational Humidity Range	%	20-80
Weight Laser Head	kg	5
Dimensions Laser Head	mm (LxW*H)	346 x 316 x 113.5
Cooling		Air-cooled

Test Data



Machine Drawing

