



Product Line Card Lasers/Light

2025 V1

For customized projects please Contact us:

info@simtrum.com

DPSS / Diode Lasers



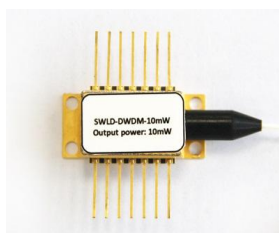
**CW Laser Diode Module
(375-785 nm)**



**CW Multi-Channel Laser
(405-640 nm)**



**CW Narrow Linewidth Diode
Lasers
(532-1064 nm)**



**CW Pigtail Laser Diode
(400-1920 nm)**



**DPSS Pulsed
Nanosecond Lasers
(266 nm-3.4 μm)**



**DFB/FP Pulsed
Picosecond laser (370-
1550 nm)**



**High-Power
Femtosecond Solid-State
Lasers**

Product	Wavelength Options	Power Level	Laser Output
CW Laser Diode Module (375-785nm)	375-785 nm	10-200 mW	Free Space/ Fiber Output
CW Multi-Channel Laser (405-640 nm)	405-640 nm/White	10mW-1W(Customized)	Free Space/ Fiber Output
CW Narrow Linewidth Diode Lasers (532-1064 nm)	532-1064 nm	100-900 mW	Free Space/ Fiber Output
CW Pigtail Laser Diode (400-1920nm)	400-1920 nm	5mW-55W(Customized)	Fiber Output (SM/MM)
DPSS Pulsed Nanosecond Lasers (266 nm-3.4 μm)	266 nm/351 nm/355 nm/527 nm/ 532 nm/1064 nm/1535 nm/ 3.4 μm	25 μJ-3 mJ	Free Space/ Fiber Output
DFB/FP Pulsed Picosecond laser (370-1550 nm)	370-1550 nm	20-400 mW	Free Space/ Fiber Output
High-Power Femtosecond Solid-State Lasers	1030 nm	200 μJ- 2mJ	Fiber Output

Fiber Lasers



Nanosecond Pulse Fiber Laser
(1064nm-2μm)



Picosecond Pulse Fiber Laser
(515nm-2μm)



Femtosecond Pulse Fiber Laser
(780nm-2μm)



CW Fiber Laser System
(405nm-2μm)



CW Narrow Linewidth Lasers
(1530nm-2μm)

Product	Wavelength Range	Power Range	Pulse width
Nanosecond Pulse Fiber Laser (1064nm-2μm)	1064/1550/2000 nm	Peak Power 5W-10kW	1-250 ns
Picosecond Pulse Fiber Laser (515nm-2μm)	515-2000 nm	1mW-2W	1-100 ps
Femtosecond Pulse Fiber Laser (780nm-2μm)	780/1030/1040/1050/ 1560/2000 nm	30mW-10W	50-500 fs
CW Fiber Laser System (405nm-2μm)	405-2000 nm	5mW-30W	/
CW Narrow Linewidth Lasers (1530nm-2μm)	1530-2100 nm	20mW-1W	linewidth 3kHz/2MHz

Broadband/Tunable Lasers



C-band Tunable Laser
(1529 -1567nm)



L-band Tunable Laser
(1554 -1607nm)



Supercontinuum Fiber Lasers
(450-2300nm)



Femtosecond OPA
(650 - 2600nm)



Short-pulse OPA
(650 - 2600nm)



**Broadband
Femtosecond Laser**
(950-1150nm)



2 μm CW Tunable Laser
(1900-2000nm)

Product	Wavelength(nm)	Type	Output Power
C-band Tunable Laser	1529~1567	CW	Up to 300mW
L-band Tunable Laser	1554~1607	CW	Up to 100mW
Supercontinuum Fiber Lasers 450-2300nm	450-2300	ps Pulse	3W Average
Femtosecond Optical Parametric Amplifier (650 - 2600nm)	650-2600	fs Pulse	40-60W
Hybrid Optical Parametric Amplifier(650 - 2600nm)	650-2600	fs Pulse	80W
Broadband Femtosecond Laser 950 -1150nm	950-1150	fs Pulse	150mW
2 μm CW Tunable Laser	1900-2050	CW	30W

Optical Amplifiers



Erbium Doped Fiber Amplifier (EDFA)



Ytterbium Doped Fiber Amplifier (YDFA)



Thulium-Doped Fiber Amplifier (TDFA)



**Semiconductor Optical Amplifier (SOA)
(1060-1650nm)**



Fiber Raman Amplifier

Type	Wavelength Options	Output Power
Erbium Doped Fiber Amplifier (EDFA)	1530-1565 nm	13-45 dBm
Ytterbium Doped Fiber Amplifier (YDFA)	1030-1100 nm	17-40 dBm
Thulium-Doped Fiber Amplifier (TDFA)	1920-2020 nm	20-30 dBm
Semiconductor Optical Amplifier (SOA)	1060-1650 nm	8-25 dBm
Fiber Raman Amplifier	1425-1465 nm/ 1528-1565 nm	Raman Gain 10/20 dB

Incoherent Light Sources



EUV Light Source
(58-130nm)



VUV Light Source
(115-400nm)



ASE Light Sources (830-2000nm)



Microscopic Imaging LED Light Sources
(360-780 nm)



Collimated LED Light Sources
(240-980nm)



Fiber-Coupled LED Light Sources
(265-940 nm)



Infrared Sources
(400-4000nm)



Lamp-Based Light Sources
(185-5500 nm)



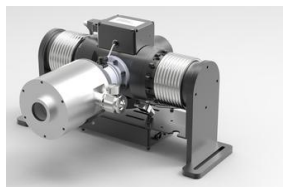
Broadband Superluminescent diodes
(830-2000 nm)



IR Emitter Chip
(2-14μm)

Product	Wavelength	Power Range
EUV Light Source	58-130 nm	10^{15} photons per second per steradian
VUV Light Source	Line Source(115-130 nm)/ Continuum Source (110-400 nm)	Line Source(0.04-3 mW/str)/ Continuum Source (0.5-9 mW/str)
ASE Light Sources	1040-2020 nm	10mW-400 mW
Microscopic Imaging LED Light Sources	Liquid Light guide (LLG) LED (360-730 nm/3000-6500 K)	0.2W-80 W
Collimated LED Light Sources	Deep UV (240-340 nm)/ High Power (365-980 nm)	Deep UV (15mW-200mW) / High Power (100mW-10W)
Fiber-Coupled LED Light Sources	255-980 nm/ 3000K-6500K	80 μW-40mW/ 5.6 mW-2800 mW
Infrared Sources	NIR(400-4000 nm)/ MIR(1-25 μm)	360mW/ 180mW
Lamp-Based Light Sources	185-5500 nm	1.7mW-30W
Broadband Superluminescent diodes	830-2000 nm	10mW
IR Emitter Chip	2-14 μm	/

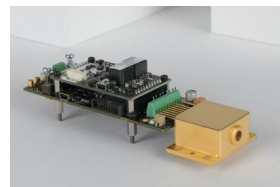
Quantum Cascade Lasers



**Terahertz Quantum Cascade Lasers
(1-4.5THz)**



**CW IR Quantum Cascade Lasers
(3-12 μ m)**



**CW LWIR Quantum Cascade Lasers
(4-17 μ m)**

Product	Wavelength	Output Power
Terahertz Quantum Cascade Lasers(1-4.5THz)	1-4.5 THz	1-5mW/10-20mW
CW IR Quantum Cascade Lasers(3-12 μ m)	3-12 μ m	1-50mW
CW LWIR Quantum Cascade Lasers(4-17 μ m)	4-17 μ m	1-1500mW