

Broadband/Tunable Lasers



C-Band Tunable Laser
(1529 -1567nm)



L-Band Tunable Laser
(1554 -1607nm)



2 Micron CW Tunable Laser
(1900-2000nm)



Supercontinuum Fiber Lasers 450-2300nm

- 450 - 2300nm
- Pulse Duration < 10ps
- Average Power > 3W



Broadband Femtosecond Laser 950-1150nm

- 950 – 1150nm
- Pulse Duration 15-20 fs
- Peak Power > 120 mW

Quantum Cascade Lasers



Terahertz Quantum Cascade Lasers(1-4.5Thz)



CW IR Quantum Cascade Lasers(3-12μm)



CW LWIR Quantum Cascade Lasers (10-17μm)

Ultrafast Devices



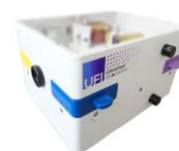
High Powered Hollow-Core Fiber Compressor



Ultra-High Contrast 3rd-Order Autocorrelator



XUV/IR Pulse Delay Unit



Light Field Sythesizer



Hollow-Core Fiber Compressor



Enhanced Cavities for Laser Light



Coherent Ultrabroadband XUV Light Source

DPSS / Diode Lasers



CW Laser Diode Module

- 375-785nm
- Power 10-200mW



Multi-Line CW Single-Mode Laser

- 405/488/532/561/640m
- Power > 20mW



Multi-Line CW Multi-Mode Laser

- 405nm-730nm
- Power: 300mW-1000mW



DPSS Nanosecond Pulsed Lasers

- 266/351/355/527/532/1064nm
- Pulse width 5-60ns
- Pulse energy: uJ to mJ level



DFB/FP Picosecond Laser

- 370-1550nm
- Pulse Width: <100ps
- Peak power: 20mW to 400mW

CW Pigtail Laser Diode (400-1920nm)



CW Pigtailed Laser Diode Single Mode (400-700nm)



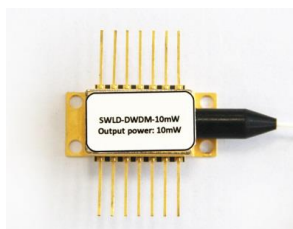
CW Pigtailed Laser Diode Multi-Mode (375-700nm)



CW Pigtailed Laser Diode Single Mode (700-1650nm)



CW Pigtailed Laser Diode Multi-Mode (700-1920nm)



CW Pigtailed Narrow Linewidth Laser Diode



CW Pigtailed TO56 Laser Diode SM (1270-1653nm)

Nanosecond Fiber Laser



1064/1550nm Nanosecond
Pulse Fiber Laser



2μm Nanosecond Fiber Laser

Picosecond Fiber Laser



DFB/FP Picosecond
Laser (370-1550nm)



515/532nm Picosecond
Pulse Laser



2000nm Picosecond
Pulse Laser



1064 Ultrafast Picosecond
Pulse Laser



1030/1064 Picosecond
Pulse Laser



1550nm High speed
Ps laser (Pulse & CW)



1560nm Picosecond Pulse
Laser



532/1064 Duel Output
Picosecond laser

Type	Average Power	Pulse Energy	Pulse Width	Rep Rate
515/532nm Picosecond Pulse Laser	1-200mW	<20nj	10-100ps	15-100Mhz
1030/1064 Picosecond Pulse Laser	10-2000mW		<15ps	20-50Mhz
532/1064 Duel Output Picosecond laser	<1W	>1 nJ	10-100ps	15-100Mhz
1550nm Picosecond Laser Duel Mode(Pulse & CW)	Pulse 1.5mW		30ps	1 - 1250Mhz
	CW -48 to -13dBm			10Mhz
1560nm Picosecond Pulse Laser	1-120mW	>1nJ	1-100ps	80Mhz
2000nm Picosecond Pulse Laser	>15mW	>0.18nJ	<10ps	80Mhz
DFB/FP Picosecond Laser (370-1550nm)	>0.5mW		<50ps	0-40Mhz

Femtosecond Pulse Fiber Laser



2000nm Femtosecond Pulse Laser



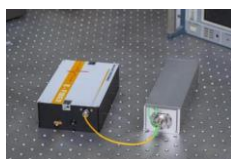
1040/50 High Power Femtosecond Pulse Laser



1030nm Femtosecond Pulse Laser



780/1560 Dual Output Femtosecond Laser



780nm Femtosecond Pulse Laser



1560nm Femtosecond Pulse Laser

Product	Wavelength Range	Pulse Width	Average Power	Rep Rate	Pulse Energy
780nm Femtosecond Laser	780 ± 10 nm	<100 fs	>30 mW	80 MHz	>0.4 nJ
780/1560nm Dual Output FS Laser	780/1560 ± 10 nm	<100 fs	>100mW	80 Mhz	>1.25 nJ
1030nm Femtosecond Laser	1030 ± 5 nm	>200 fs	>60 mW	25 MHz	>4 nJ
1040/50nm Femtosecond Laser	1040/50nm	<150 fs	5 - 10 W	80 Mhz	>80 nJ
1560nm Femtosecond Laser	1560 ± 10 nm	50 - 500 fs	1 mW - 1 W	80 Mhz - 200 MHz	>10 nJ
2000nm Femtosecond Laser	1970 ± 10 nm	200 fs	200 mW	80 MHz	>2.5 nJ

Continuous Wave Fiber Laser

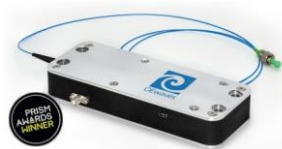


Type	Wavelength	Wavelength Accuracy	Spectral Linewidth	Output Power
405-940 CW Single Mode Fiber Laser	405/450/488/520/532/638/660/670 /685/785/808/830/850/905/940nm	± 5 nm	-	5 -150mW
793/808/915/976nm CW High Power Fiber Laser	793/808/915/976 nm	± 3 nm / ± 10 nm	3nm / 6nm	5/10/25W
974/976 CW Single Mode Fiber Laser	974/976 nm	± 1 nm	-	200 - 1000mW
1030/1064 CW Single Mode Fiber Laser	1064 nm	± 2 nm	<0.1nm	100mW - 10W
1310 CW Single Mode Fiber Laser	1310 nm	± 3 nm	≤ 3MHz	5/10/20mW
1450/1480 CW Single Mode Fiber Laser	1425/1435/1455/1465/1480nm	± 3 nm	-	200 - 800mW
1450/1480 CW Single Mode Fiber Laser	1550 nm	± 0.5 nm	≤ 3MHz	10mW - 20W
2000 High Power CW Fiber Laser	1900-2050 nm	-	<1nm	> 30 W

CW Narrow Linewidth Lasers (1530nm – 2um)



Narrow Linewidth Laser Diodes (1530-1625nm)



Ultra-Narrow Linewidth HI-Q Laser



CW Narrow Linewidth Laser 1064/2000nm

Erbium Doped Fiber Amplifier



EDFA Single Mode C-Band - PA/BA



EDFA Single Mode C-Band High Power



EDFA Single Mode C-Band In-Line



EDFA PM C-Band Low Power / High Power



EDFA Single Mode C-Band Pulsed



EDFA Single Mode L-Band Low Power / High Power



EDFA PM L-Band Low Power / High Power



EDFA SM Multi-Wavelength C-Band Gain Flatten

Type	Wavelength	Input	Output
EDFA Single Mode C-Band - Standard/ Booster	1530 - 1565 nm	-45 dBm to -25dBm -6dBm to +3dBm	35@-35dBm / 45@-45dBm 15/17/20/23/25/26 dBm
EDFA Single Mode C-Band In-Line	1530 - 1565 nm	-25 dBm to +3 dBm	13/17/23/25/26 dBm
EDFA Single Mode Multi Wavelength C-Band Gain Flattened	1530 - 1565 nm	-32 dBm to -10 dBm	14/17/20/23 dBm
EDFA Single Mode C-Band High Power	1530 - 1565 nm	- 6 dBm to +10dBm	27/30/33/35/37/40 dBm
EDFA Polarization Maintaining C-Band PM - Low / High Power	1530 - 1565 nm	-30 dBm to +3 dBm - 6 dBm to +10 dBm	14/17/20/23/26 dBm 30/33/37/40 dBm
EDFA Single Mode C-Band Pulsed	1530 - 1565 nm	1-10mw	1-1000W
EDFA Single Mode L-Band Low Power / High Power	1530 - 1603 nm	- 6 dBm to +10 dBm	27/30/33/37 dBm
EDFA Polarization Maintaining L-Band Low / High Power	1530 - 1603 nm	- 6 dBm to +3 dBm - 6 dBm to +10 dBm	15/17/20/23/25 dBm 27/30/33/37 dBm

Fiber Amplifiers



Ytterbium Doped Fiber Amplifier



Fiber Raman Amplifier



Thulium-Doped Fibre Amplifier



Semiconductor Optical Amplifier (SOA)

Single Wavelength LED Source(240-980nm)



Un-collimated LED Source (340-980nm)



Super High-Power Collimated LED 365-980nm



High-Power Collimated LED 365-980nm



Deep UV Collimated LED 240-340nm



Filtered High Power Fiber-Coupled LED (265 - 940nm)



Lightguide-Coupled LED Source (310-980nm)



High Power Fiber-Coupled LED (255 - 980nm)



BLS Series High Current



BLS-Series High Speed



SLA-Series / SLB-Series



High Precision Universal 4-Channel LED

Standard Light source & Wavelength Selector



Flexible Wavelength Selector Auto



Flexible Wavelength Selector Manual



Mighty Light Sources

Multi-wavelength LEDs Source (240-980nm)



Fiber-Coupled Multi-Wavelength LED (365-980nm)



Collimated Multi-Wavelength LED (365-980nm)



Wavelength-Switchable LED Source (340-980nm)

IR Emitter Chip (2-14um)



IR Emitter Chip (2-14um)

- True black body radiation (2 to 14 μm)

ASE/SLD Light Sources (830-2000nm)



Super-Broadband SLED Light Source (850~1650nm)



C-Band Broadband ASE Light Source (1528-1563nm)



C+L-Band Broadband ASE Light Source (1528-1603nm)



1060nm Broadband ASE Light Source (1030-1080nm)



L-Band Broadband ASE Light Source (1567-1603nm)



2000nm Broadband ASE Light Source (1850-2000nm)



Multi-Channel SLED (1300 - 1680nm)



Broadband SLED DFB Chips (830nm - 2000nm)