UFL-1560 Series

1560nm Femtosecond Fiber Lasers

Optisiv **UFL-1560 Series** is maintenance-free ultrafast fiber laser modules with up to 300 mW of average power, sub-100 fs pulse width, and peak power levels reaching 100 kW at 1530-1570 nm. The laser module is a turn-key solution, which provides superb temporal and spectral qualities in either fiber-coupled or free-space output ports.

Key Features

- Central wavelength: 1530 nm -1570 nm (fixed)
- Output avg. power: Up to 300 mW
- Pulse width: < 100 fsec
- Repetition rate: 20-40 MHz (fixed)
- Peak power : Up to 100 kW
- Fiber coupled or free space output

Applications

- Characterization of ultrafast dynamics
- High-speed sampling
- Multiphoton microscopy
- Supercontinuum generation
- THz spectroscopy and imaging
- Nonlinear optics

A flexible, diverse portfolio, for custom laser systems - Optisiv prides itself on providing its customers with total freedom of choice when it comes to purchasing a fiber laser solution

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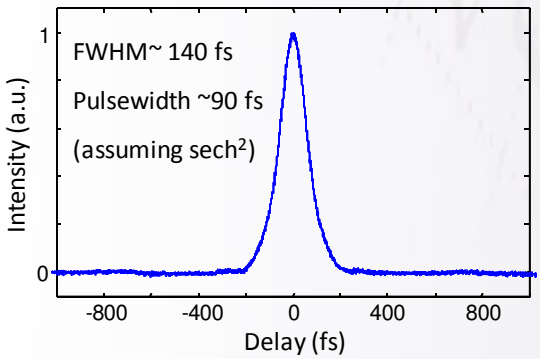
Technical Specifications

Parameter	Units	UFL-1560-Osc	UFL-1560-50	UFL-1560-300
Center Wavelength	nm	1530-1570 (fixed)		
Pulse Width	fs	<100		
Repetition Rate	MHz	20-40		
Min. Average Power	mW	1	50	300
Max. Peak Power	kW	0.5	20	100
Spectral Width	nm	>24		
Polarization		Random		
Output Port		1m-long SMF-28 fiber	1m-long SMF-28 fiber	Free-space
Operating Temp.	°C	10-35		
Storage Temp.	°C	0-50		
Operating Voltage	VAC	85-264		
Dimensions		19" 2U	19" 3U	19" 3U

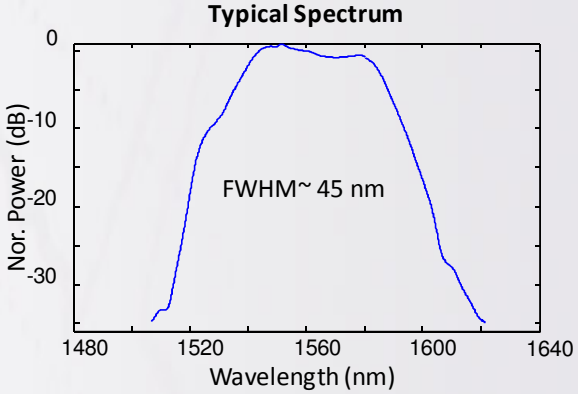
Options

- Linearly polarized output
- Rep rate control via PZT transducer
- Hybrid supercontinuum generator
- 19" rack mount or OEM

Typical Autocorrelation Trace



Typical Spectrum



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