

EFO飞秒光纤激光器

光纤飞秒激光器运行稳定，无需经常调整。光纤飞秒激光器成本低，稳定性好，即使是初级研究实验室也可以有一台飞秒脉冲光源，无需昂贵或复杂的设备。可以让大学生或其它教育环境进行超快研究。

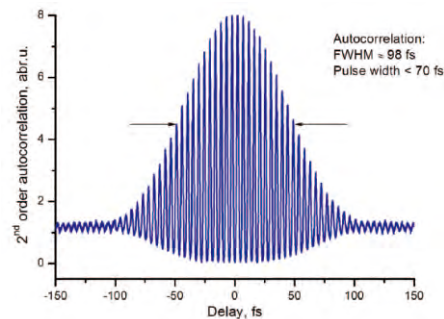
1550 nm光纤飞秒激光器脉宽100 fs，可以用作飞秒放大器的种子源。

1550 nm波长掺铒光纤激光器也可用于超高速光通信。

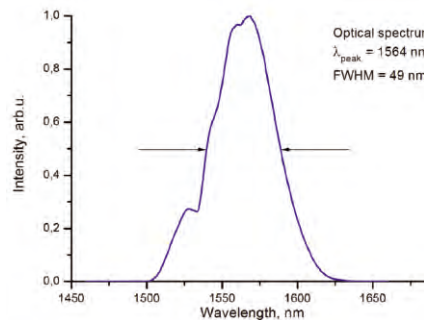
技术参数

	EFO-80/10	EFO-T/50	EFOA-T/P
Pulse width (fixed), fs	<80*	250-5000**	100-250**
Wavelength (fixed), nm	1560±10		
Average output power, mW	10*	50	100-250**
Repetition rate (fixed), MHz	70	25-80***	70 (40-80 on request)
Polarization, linear	vertical or horizontal***		horizontal
Spatial mode	TEM ₀₀		
Fiber output	available upon request		
RF SYNC out	SMA connector (200-300 mV@50 ohm load)		
Mode lock status	SMA connector (3.5/0V) and LED		
Service optical output	FC/APC (~1 mW)		
Laser head dimensions, mm	180x210x50(70)		180x210x70(90)
Power supply unit dimensions, mm	230x200x85		230x200x130

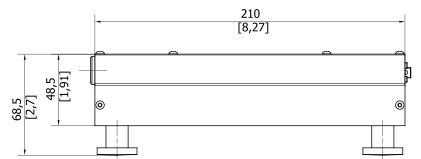
* - <100 fs @ 20 mW or <50 fs @ 10 mW specs upon request.
 ** - pulse duration (T) and output power (P for EFOA) should be selected with your request. For the EFOA model, the (lowest available pulse duration)/(highest available average power) relation is equal to 1 (i.e. at 100 fs the highest possible power is 100 mW, at 250 fs - 250 mW etc).
 *** - please specify with your request.



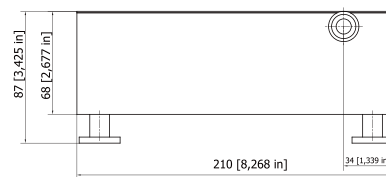
EFO-80/10 autocorrelation trace



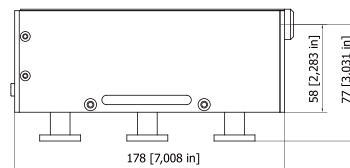
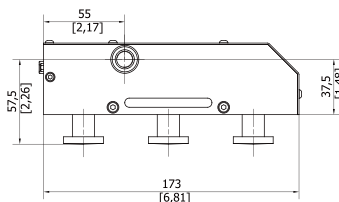
Typical spectrum of the EFO laser system



EFO-80/10 (mm [inches])



EFOA (mm [inches])



特点：

- 50 fs超短脉宽
- 体积小
- 稳定度高
- 交钥匙运行
- 可选台式版本

应用：

- 放大系统种子源
- 太赫兹产生和探测
- 多光子显微镜
- 频率计量
- 超快光谱技术
- 半导体器件特性表征
- 产生超连续谱
- 光学相干层析技术
- 抽运探测光谱技术