

## 10G 高速皮秒光纤激光器



### 特性:

- 宽的重复频率范围(5 – 11GHz)
- 波长范围 1530 – 1565nm 可调
- 脉宽 1.2-10ps 可选
- 高的平均功率 (>20mW)
- 低的时间抖动

### 应用:

- 下一代光器件测试
- 光通信研究和设计
- 光学频率梳
- 10,40, 160 Gb/s 光传输

### 主要特性参数

## Technical Specifications

Model Number	PSL-10-1T	PSL-10-2T	PSL-10-6T
Pulse Width (ps)*	1.2 at one $\lambda$ 1.5 across $\lambda$ range	<2.0	<6.0
Output Wavelength (nm)**	1530 ~ 1560 (tunable)	1530 ~ 1565*** (tunable)	
Repetition Rate (GHz)	5 ~ 11 (tunable)		
Timing Jitter (fs)	<50 (carrier offset 100 Hz ~ 1 MHz)		
Amplitude Noise (%)	<1		
Output Power at 10 GHz (mW)	>20		
Operating Temp (°C)	15 ~ 30		
Operating Voltage (VAC)	85 ~ 264		
Dimensions (cm)	48(w) x 42(d) x 9(h)		

\* Pulse width is selectable within 1.5 to 10 ps. A  $\text{sech}^2$  pulse shape (convolution factor of 0.65) is used to determine the pulse width for the second harmonic autocorrelation trace.

\*\* 780 nm or 1  $\mu\text{m}$  band is available.

\*\*\* up to 1570 nm available.

