

超连续谱激光器 – 超短脉冲系列

Supercontinuum laser-Ultrashort pulse series

产品描述

Product description

P型超连续谱激光器系列可以提供脉宽皮秒量级的宽带超连续谱，通过调节重复频率和输出功率可实现客户的不同需求，可选外部触发功能。

P supercontinuum laser series can provide broadband supercontinuum with pulse width in picosecond level. By adjusting repetition rate and output power, different requirements of customers can be realized. External trigger function is optional.

另外，我们可以根据用户不同的需求，定制重复频率、输出功率、发散角等光学参数。

In addition, we can customize repetition frequency, output power, divergence angle and other optical parameters of supercontinuum according to different needs of users.

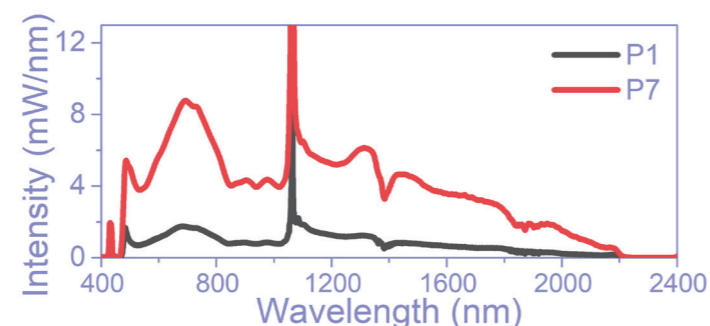
产品特点

Product characteristics

高功率可选 宽带宽
High power optional Wide band

重复频率、输出功率可调
Adjustable repetition frequency and output power

高稳定性
High stability



产品应用

Product application

纳米粒子和量子点
Nanoparticles and quantum dots

纳米结构表征
Characterization of Nanostructures

太阳能电池表征
Solar cell characterization

图像传感器和检测器表征
Image sensor and detector characterization

石墨烯和碳纳米管
Graphene and carbon nanotubes

荧光寿命成像
Fluorescence lifetime imaging

超高分辨显微成像
Ultra-high resolution microscopic imaging

光学相干层析
Optical coherence tomography (OCT)

产品规格

Fiber specifications

光学特性 Optical specifications

Model	P1	P7
Cut-in wavelength ¹⁾	420 nm	420 nm
Total power	1 W	7.5 W
Visible power (400-850 nm)	0.25 W	2.2 W
Spectral range	420-2200 nm	420-2200 nm
Power stability	<0.5% (RMS)	<0.5% (RMS)
Variable repetition rate	100 kHz-25 MHz	160kHz-80MHz
Beam quality	M ² <1.1	M ² <1.1
Polarization	Random	Random

1): The intensity of cut-in wavelength is larger than 0.1 mW/nm.

电学和物理特性 Electrical and physical properties

Model	P1	P7
Length of output fiber	1.5 m	1.5 m
Synchronous output signal	BNC; TTL voltage level	BNC; TTL voltage level
Operation Voltage	100-240 V; 50/60 Hz	100-240 V; 50/60 Hz
Power consumption	< 20 W	< 150 W
Dimensions(W×H×L)	400×300×200 mm	600×400×200 mm
Weight	< 10 kg	< 25kg

