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超连续谱激光器 – 长脉宽系列
Supercontinuum laser-Long pulse width series

产品描述
Product description

N 型超连续谱激光器系列可以提供脉宽纳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。

N supercontinuum laser series can provide broadband supercontinuum with pulse width in nanosecond 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.

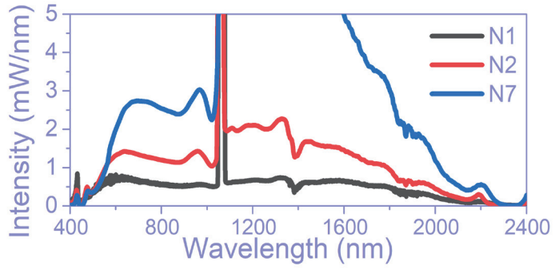
产品特色
Product characteristics

高功率可选
High power optional

宽带宽
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

光纤表征
Fiber characterization

纳米粒子和量子点
Nanoparticles and quantum dots

石墨烯和碳纳米管
Graphene and carbon nanotubes

纳米结构表征
Characterization of Nanostructures

高光谱成像
Hyperspectral imaging

光学相干层析
Optical coherence tomography (OCT)

光伏材料表征
Characterization of photovoltaic materials

材料微观缺陷检测
Material micro-defect detection

产品规格
Fiber specifications

光学特性 Optical specifications

Model	N1	N2	N7
Cut-in wavelength	420 nm	420 nm	420 nm
Total power	1 W	2.2 W	7 W
Visible power (400-850 nm)	0.15 W	0.3 W	1 W
Spectral range	420-2400 nm	420-2400 nm	420-2400 nm
Power stability	0.5% (RMS)	0.5% (RMS)	0.5% (RMS)
Variable repetition rate	100kHz-500kHz	100kHz-1MHz	100kHz-1MHz
Beam quality	M^2<1.1	M^2<1.1	M^2<1.1
Polarization	Random	Random	Random

电学和物理特性 Electrical and physical properties

Model	N1	N2	N7
Length of output fiber	1.5 m	1.5 m	1.5 m
Synchronous output signal	BNC; TTL voltage level	BNC; TTL voltage level	BNC; TTL voltage level
Operation Voltage	100-240 V; 50/60 Hz	100-240 V; 50/60 Hz	100-240 V; 50/60 Hz
Power consumption	<15 W	50 W	120 W
Dimensions (W×H×L)	272×220×84 mm	365×264×160 mm	387×301×100 mm
Weight	7 kg	10 kg	11 kg