

## 中红外激光器 OPO



新势力光电供应**中红外激光器OPO**，是一款基于周期极化非线性晶体的**光参量振荡器**。该系列**中红外激光器**具有如下特点：波长 2-5 $\mu\text{m}$ 、平均功率 100mW、重复频率 10KHz、脉宽<5ns、脉冲能量>5 $\mu\text{J}$ ，结构紧凑、稳定性高，广泛应用于：气体检测、石油化工、科学研究、OEM系统集成。

Mid-IR Laser Specifications	
Center wavelength	configurable between 2-5 $\mu\text{m}$
Bandwidth	<1.5nm
Tunability	>10nm by temperature
Output power	>100mW
Repetition rate	>10KHz
Pulse width	<5ns
Pulse energy	>5 $\mu\text{J}$
Ellipticity	>0.90:1
Beam diameter at aperture	1.5mm collimated
Beam divergence (full angle)	<3.5mrad
Pulse-to-pulse jitter	<1 $\mu\text{s}$
Long-term stability (8 hours)	<3%
Total system power consumption	<63W
Operating temperature	10-40 $^{\circ}\text{C}$
Laser head dimensions [mm]	125 $\times$ 70 $\times$ 45
Controller dimensions [mm]	190 $\times$ 72 $\times$ 28
Communication	RS-232 or USB
Warranty	12 months