

NEWOPTO TECHNOLOGY CORPORATION

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可调谐激光器



新势力光电供应可调谐激光器，波长范围 820-950nm，输出功率>100mW，光束质量 $M2 < 1.1$ ，用于替代钛蓝宝石激光器。该系列可调谐激光器具有如下特点，包括：全固态、结构紧凑、近衍射极限、低功耗、无需水冷、免维护。

IR-Point 820-950nm Specification		
Tuning Range		820-950nm
CW Power@860nm		>100mW
Beam Diameter(1/e ²)	horizontal	0.8mm
	vertical	0.8mm
Beam Divergence (1/e ² , half angle)	horizontal	2.5mrad
	vertical	2.5mrad
Spatial Mode		TEM
Beam Quality M ₂		<1.1
Power Noise	RMS(10Hz-10MHz)	<0.5%
	RIN(10Hz-10MHz)	<110dB/Hz
Power Stability(p-p, 2h)		<1%
Pointing Stability(p-p, 2h)		<30μrad
Polarization, linear		>100:1, vertical
Warm-up time		5min
Operating ambient temperature		18-30°C
Power consumption		<60W
Line Voltage		100-250VAC, 50-60Hz
Dimensions	laser head	129mm×79mm×240mm
	power supply	220mm×76mm×270mm