

## LD PUMPED ALL-SOLID-STATE UV LASER

RN-F-261/0.1~4uJ/1~10mW

### 产品描述

All solid state 261nm UV laser is made features of ultra compact, cost -effectiveness and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, measurement, physics experiment, laser rapid modeling, etc.

### 产品参数

RN-F-261/0.1~4uJ/1~10mW		
Central wavelength (nm)	261 ± 1	
Output average power (mW)	1~10	
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	Frequency conversion of Q-switched pulsed laser	
Single pulse energy (μJ)	0.1~4	
Pulse duration (ns)	~4	
Peak power(W)	25~1000	
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal at 1kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1kHz by external trigger with stable pulse energy, pulse duration and pulse period
	QCW	QCW state with one rep. rate between 2kHz-3kHz
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<5%, <10%	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.5	
Spectral purity	>99%	
Beam parameters	Elliptical (4:1), Beam spot ~2mm	
Polarization ratio	>50:1	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	5000	
Warranty period	1 year	
Remarks	Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1047/523nm laser	