

## WATER COOLING LD PUMPED ALL-SOLID-STATE

### 3-5 $\mu$ m MID-IR LASER

RN-MIR-3900~4800/1~2000mW

#### 产品描述

CNI's wide spectral width laser at 3-5 $\mu$ m mid-infrared features high power, high repetition rate, and short pulse duration, they are widely used in laser surgery, remote sensing, atmospheric communication, and systems for environmental monitoring, ..., etc.

#### 产品参数

RN-MIR-3900~4800/1~2000mW						
Wavelength (nm)	3900	4000	4200	4400	4600	4800
Spectral width(nm)	250			500		
Average power (mW)	>1,...,1000			1000, ...,2000		
Operating mode	Acousto-Optics Q-switched					
Power stability (rms, over 4 hours)	<3%, <5%					
Rep.rate (kHz)	10					
Pulse duration (ns)	<50					
Single pulse energy (mJ)	0.1			0.2@10kHz, 2W		
Peak power (kW)	2			4@10kHz, 2W		
Beam divergence, full angle (mrad)	<5					
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<6					
Beam height from base plate (mm)	61					
Operating temperature (°C)	15~35					
Power supply (90-264VAC)	PSU-MIR (3U)					
Expected lifetime (hours)	10000					
Warranty period	1 year					