

## WATER COOLING LD PUMPED ALL-SOLID-STATE 4-5 $\mu$ m MID-IR LASER

RN-MIR-4000~4800/1~2W

### 产品描述

CNI's wide spectral width laser at 4-5 $\mu$ 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-4000~4800/1~2W					
Wavelength (nm)	4000	4200	4400	4600	4800
Spectral width(nm)	300	200	160	180	190
Average power (W)	1, 2				
Operating mode	Acousto-Optics Q-switched				
Power stability (rms, over 4 hours)	<5%, <10%				
Rep.rate (kHz)	10				
Pulse duration (ns)	~20				
Single pulse energy (mJ)	0.2@10kHz, 2W				
Peak power (kW)	~10@10kHz, 2W				
Beam divergence, full angle (mrad)	<12				
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	1 year				