

## WATER COOLING LD PUMPED

### ALL-SOLID-STATE 3-5 $\mu$ m MID-IR LASER

RN-MIR/1~9W

#### 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 defense, remote sensing, civilian applications, and systems for counter-measures against infrared sensors, ..., etc.

#### 产品参数

RN-MIR/1~9W	
Wavelength (nm)	3900~4500
Operating mode	Acousto-Optic Q-switched
Average power (W)	1~9
Pulse duration (ns)	~20@10kHz&9W
Rep.rate (kHz)	10
Single pulse energy ( $\mu$ J)	900
Power stability (rms, over 4 hours)	<5%, <10%
Peak power (kW)	45@10kHz&9W
Beam divergence, full angle (mrad)	<12
Beam diameter at the aperture ( $1/e^2$ ,mm)	<6
Beam height from base plate (mm)	61
Operating temperature ( $^{\circ}$ C)	15~35
Power supply (90-264VAC)	PSU-MIR (3U)
Expected lifetime (hours)	10000
Warranty period	1 year