

LD PUMPED ALL-SOLID-STATE BLUE LASER

RN-S-473/1~100mW

产品描述

All solid state 473nm blue laser is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, working under the pressure of 0.02kPa, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, etc.

产品参数

RN-S-473/1~100mW				
Central wavelength (nm)	473±1			
Operating mode	CW			
Output power (mW)	>1,5,10,20,...,50		>1,5,10,20,...,50	
Power stability (rms, over 4 hours)	<1%, <2%, <3%		<1%, <2%, <3%	
Transverse mode	TEM ₀₀			
M ² factor	<1.2			
Beam diameter at the aperture(1/e ² ,mm)	0.7±0.05			
Beam divergence, full angle (mrad)	<1.5			
Polarization ratio	>100:1 Vertical±5 degree (Horizontal Optional)			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	19			
Power Consumption(W)	<30			
Shock Tolerance(6ms)	7g laterally,15g vertically			
IP Rating	IP67		IP65	
Power supply(90-264VAC)	PSU-H -FDA	PSU-A- DP	PSU-A- FP	PSU-III-OEM -97(5VDC)
Operating temperature (°C)	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C	
Modulation	Modulation TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option			
Expected lifetime (hours)	10000			
Warranty	1 year			