

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1040 nm

RN-III-1047/1~500mW

产品描述

All solid state infrared laser at 1047nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.

产品参数

RN-III-1047/1~500mW		
Central wavelength (nm)	1047±1	
Output power (mW)	>1, 5, 10, 20, ... , 200	>200, ... , 500
Transverse mode	TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<2%, <3%, <5%	<3%, <5%
Warm-up time (minutes)	<10	
M ² factor	<1.5	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e ² (mm)	~1.5	
Beam height from base plate (mm)	24.8	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED/PSU-III-FDA/PSU-III-OEM-97	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	