

## BLUE DIODE LASER AT 445/447/450nm

RN-III-445L/447L/450L/1~80mW

### 产品描述

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in scientific research, laser pointing, measurement, communication, spectrum analysis, etc.

### 产品参数

RN-III-445L/447L/450L/1~80mW			
Model	RN-III-445L	RN-III-447L	RN-III-450L
Central wavelength(nm)	445±5	447±5	450±5
Operating mode	CW		
Output power(mW)	>1, 10, 20, ..., 80		
Power stability(rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)		
Transverse mode	Near TEM <sub>00</sub>		
M-factor	<1.5 (<1.2, optional)		
Beam diameter at the aperture(1/e <sup>2</sup> mm)	~3.5 (~1.2, optional)		
Beam divergence,full angle(mrad)	<1		
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-uptime(minutes)	<5		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate(mm)	24.8		
Operating temperature(°C)	10~35		
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)	
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional		
Expected lifetime(hours)	10000		
Warranty	1 year		