

## 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		MDL-III-445L	MDL-III-447L	MDL-III-450L
Central wavelength (nm)		445±5	447±5	450±5
Output power (mW)		CW		
Power stability (rms, over 4 hours)		>1, 10, 20, ..., 80		
Transverse mode		<1%, <2%, <3% (<0.5%, optional)		
Noise of amplitude(rms,20Hz~20MHz)		Near TEM <sub>00</sub>		
M <sup>2</sup> 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-up time (minutes)		<5		
Pointing stability after warm-up (mrad)		<0.05		
Beam height from base plate (mm)		24.8		
Operating temperature (°C)		10~35		
Modulation	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for1Hz-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		