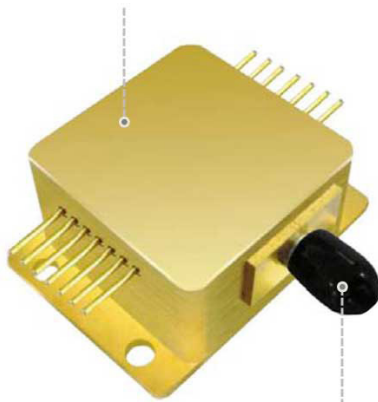




## 375nm, 150mW, 105µm Fiber-Coupled Laser Diode

**14-Pin HHL Fiber-Coupled Package**  
integrated TEC cooler and 10K thermistor



**SMA905 CONNECTOR**  
105 µm core MM fiber output

### **RLS / 375NM-150MW-105UM-HHL**

- o 375nm  $\pm$ 10nm Output
- o 105µm Core UV Fiber
- o SMA905 Connector for Detachable Fiber
- o Internal Thermistor and TEC



## 375NM FIBER-COUPLED LASER DIODE

This high power 375nm laser diode is coupled to 105µm UV fiber, and features a removable SMA fiber connector on the 14-pin high heat load package. The package includes an internal thermistor and TEC for stable wavelength and long operating life-time at high output power levels.

These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications. Proprietary design, packaging, and fiber coupling processes produce laser diodes with very high stability and low noise. Each laser diode is subject to extensive testing and burn-in before shipment to ensure the highest possible levels of quality and long term reliability.

## RLS / 375NM-150MW-105UM GENERAL SPECIFICATIONS

### OPTICAL SPECIFICATIONS

- Output Wavelength: 375 nm  $\pm$ 10 nm
- Output Power: 150 mW, ex-fiber
- Spectral Width (FWHM): 2.0 nm
- Output Mode: Multimode

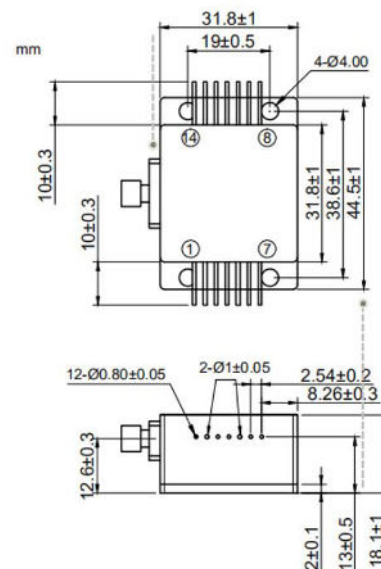
### FIBER SPECIFICATIONS

- Fiber Type: 105µm Core, UV Fiber
- Fiber Connector: SMA905

### ELECTRICAL SPECIFICATIONS

- Threshold Current: 200 mA (typ)
- Operating Current: 390 mA (typ)
- Operating Voltage: 5.0 V (typ)
- TEC Current: 6 A
- TEC Voltage: 9.8V
- Thermistor: 10kΩ at 25°C

### Mechanical Dimensions



### Pin Configuration

PIN	FUNCTION	PIN	FUNCTION
1	CASE	14	TEC(+)
2	LD(+)	13	None
3	Thermistor (10K)	12	None
4	Thermistor (10K)	11	None
5	LD(-)	10	None
6	None	9	None
7	None	8	TEC(-)



Offered by  
**LASER LAB SOURCE**



**LASER  
DIODE  
SOURCES**

## **PRODUCT SALES AND SERVICE:**

Unlimited phone and email support is provided for products purchased through Laser Lab Source. Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Wavespectrum, Beijing, China.

## **PRODUCT WARRANTY:**

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



Laser Lab Source, a division of Research Lab Source, Inc.  
670 S. Ferguson St., Suite 3  
Bozeman, MT 59718 USA

Phone: 406-219-1472

[www.LaserLabSource.com](http://www.LaserLabSource.com)

