



### **915nm Laser Diode, 10 Watts**

- HHL Packaged with Fiber Connector, Single Emitter
- Fiber Core 200  $\mu\text{m}$
- Integrated Red Aiming Pilot Laser
- SMA-905 HP Connector

## RL915NM-10W DATA SHEET



WORLD LEADING PRODUCTS  
FOR LASER SCIENTISTS AND ENGINEERS

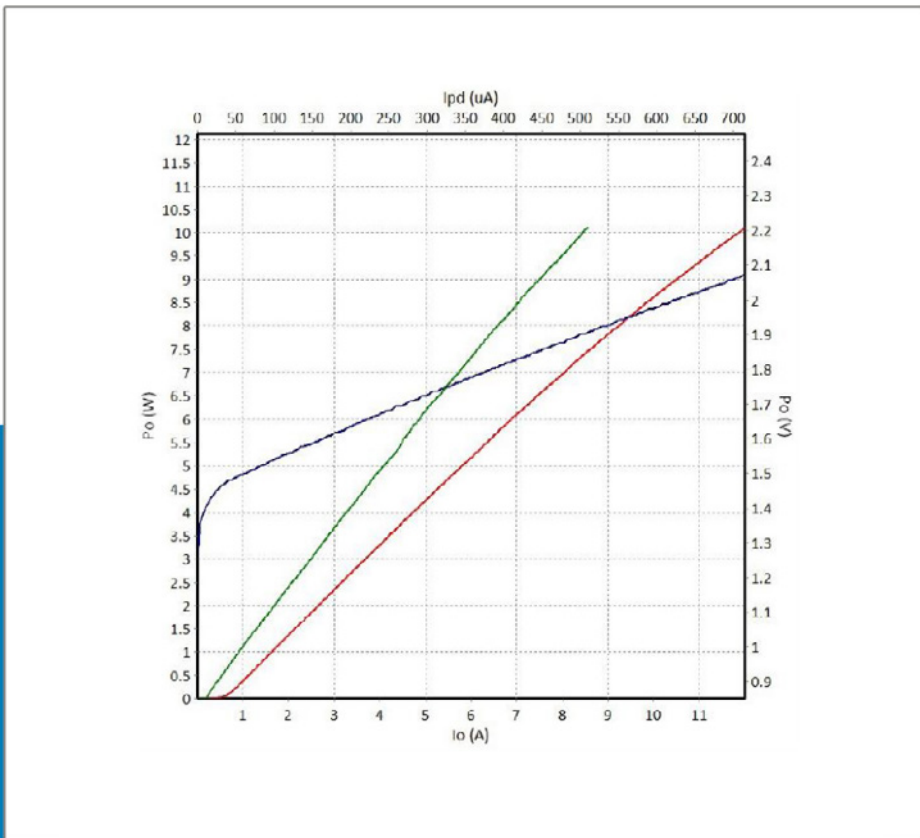
DATA SHEET

**RL915NM-10W Product Overview**

These 10 watt laser diodes offer high brightness from a convenient HHL package. The HHL is offers a simplified thermal management by distributing and efficiently dissipating the waste heat from the laser. This allows the user to implement either air cooled or water cooled heat sink base plate with to achieve high reliability and a long life time.

**915 nm Laser Diode Applications:**

This model was developed for for applications including the pumping of fiber lasers. The high brightness makes them a great choice for material processing applications requiring a fiber coupled output in the 10W range. These lasers were also developed for medical R&D applications as well as remote power transmission.



## RL915NM-10W SPECIFICATIONS

### LASER SPECIFICATIONS

Center Wavelength:	915 nm
Optical CW Output Power:	10 Watts
Center Wavelength Tolerance:	$\pm 10$ nm
Spectral Width:	$< 6$ nm

### FIBER OPTIC CONNECTOR OUTPUT

Core:	200 $\mu$ m
Connector:	SMA-905

### ELECTRICAL

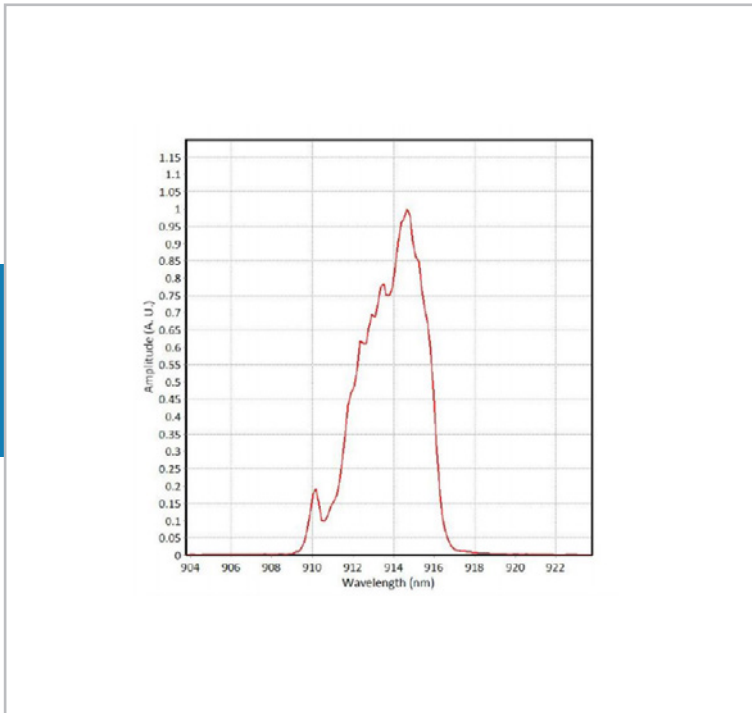
Threshold Current:	0.62 Amps
Operating Current:	12 Amps
Operating Voltage:	2.06 Volts
TEC Max Current:	6.0 Amps
TEC Max Voltage:	9.8 Volts

### AIMING BEAM

Aiming Beam Output Power:	2 mW
Wavelength:	650nm $\pm 10$ nm
Voltage:	5.0 V



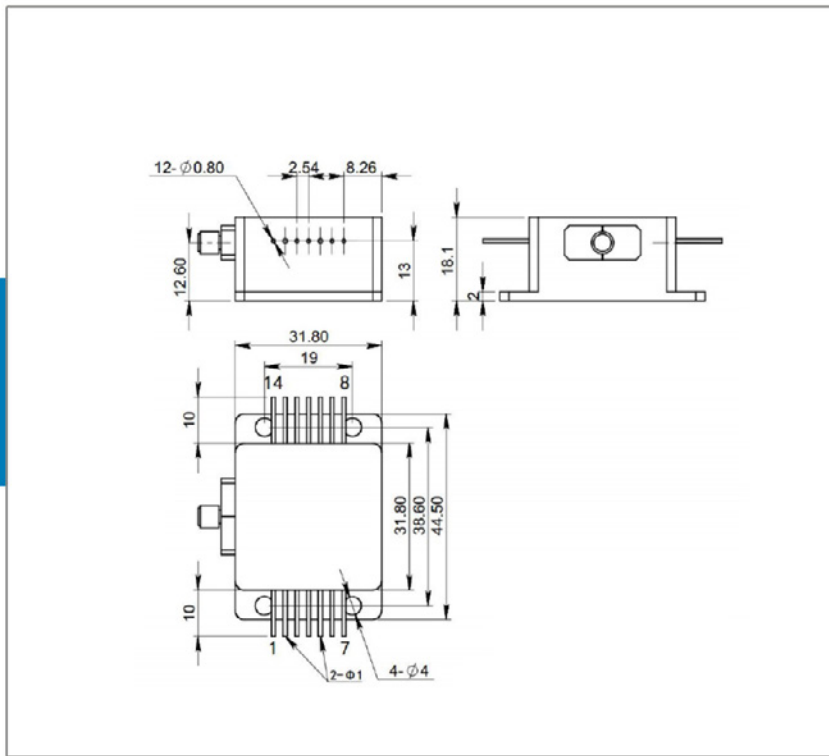
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**Package Dimensions (mm)**

Pin	Function	Pin	Function
1	Case	8	TEC(-)
2	Laser(+)	9	FCD PD(P)
3	Thermistor	10	FCD LED(-)
4	Thermistor	11	FCD LED(+);FCD PD(N)
5	Laser(-)	12	Aiming Beam LD(+);[DC 5V]
6	PD(P)	13	Aiming Beam LD(-);[GND]
7	PD(N)	14	TEC(+)

## DATA SHEET



### Product Warranty:

In addition to the standard full one year warranty, this product is offered with an additional 3 months of extended warranty for a total of 15 months of warranty coverage. The warranty includes all parts and labor. The warranty does not include customer induced product damage.

### Our Customer Commitment:



#### You Get Direct, Fast Tech-Support from a Product ENGINEER ... Not a Sales Person

You get DIRECT access to the correct factory engineer for your product. We eliminate the sales person "middle-man" back and forth time delays resolving technical issues. No more "Contact Us" forms. Every product has an assigned engineer in our auto-messaging data base to give you direct, immediate access to the correct tech-support info.



#### You Get an Extended Warranty

All products from Laser Lab Source come with a 12 month factory warranty. Additionally, we offer and extra 3 months of warranty on top of the standard warranty. *Warranty does not include customer induced product damage.*



#### You Get the Lowest Factory-Direct Prices Worldwide

All of our 3rd party global suppliers set & quote their own direct pricing. There are NO Mark-Up's. You get their lowest direct price.