

**450nm~455nm 3W HHL Package Fiber Coupled Diode Laser With 50um MM Fiber | Blue Laser Diode  
455nm 3W | 9-Pin HHL Package | 50um, 105um, 200um, 400um fiber optional |TEC Cooling | Built-in PD  
RWLX-455-003-50M-H9-T-PD**

PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Current	$I_r$	80	mA
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

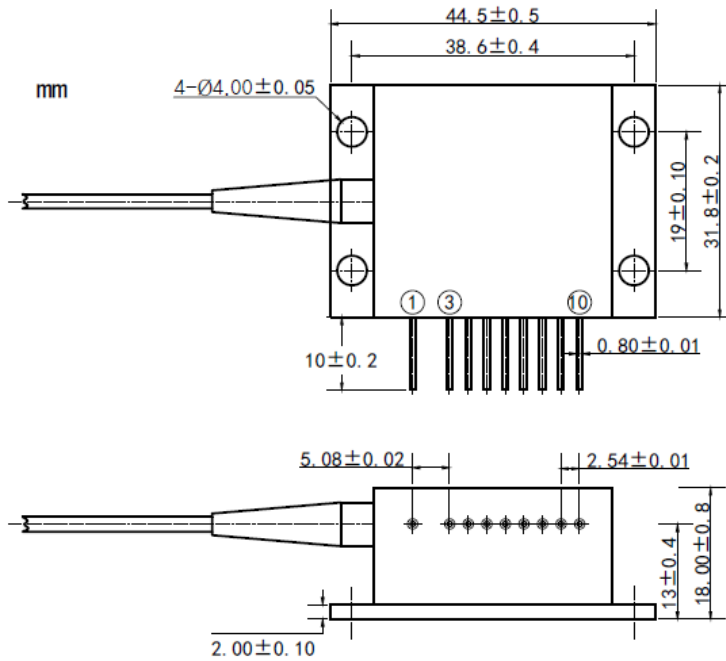
  

<b>Features:</b> <ul style="list-style-type: none"> <li><span style="color: #4a7ebb;">●</span> 455nm</li> <li><span style="color: #4a7ebb;">●</span> 3W Output Power</li> <li><span style="color: #4a7ebb;">●</span> Built-in TEC Cooling</li> <li><span style="color: #4a7ebb;">●</span> Built-in PD</li> <li><span style="color: #4a7ebb;">●</span> High Stability</li> </ul>	
<b>Applications:</b> <ul style="list-style-type: none"> <li><span style="color: #4a7ebb;">●</span> Medical Laser Treatment</li> <li><span style="color: #4a7ebb;">●</span> Others</li> </ul>	

Specifications	RWLX-455-003-50M-H9-T-PD		
	Min.	Type	Max.
Center Wavelength@25°C	455nm±10nm		
Spectral Width (FWHM)	----	3nm	----
Output Power	----	3W	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	0.2A	0.6A
Operating Current (Typ.)	----	3.2A	3.5A
Operating Voltage		4.5V	5.5V
TEC Max Current	6A		
TEC Max Voltage	9.8V		
Thermistor	10K		
Fiber Core	50um		
Numerical Aperture	0.22		
Fiber Length	>80cm		
Connector Type	SMA905/FC		

### 9-PIN HHL Package View



PIN	FUNCTION
1	TEC (-)
2	-
3	CASE
4	LD (+)
5	THERM
6	THERM
7	LD (-)
8	PD (P)
9	PD (N)
10	TEC (+)

### We offer Customized 455nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 500mw@455nm+10W@980nm)

Contact us with [info@rpmclasers.com](mailto:info@rpmclasers.com)

Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.

