

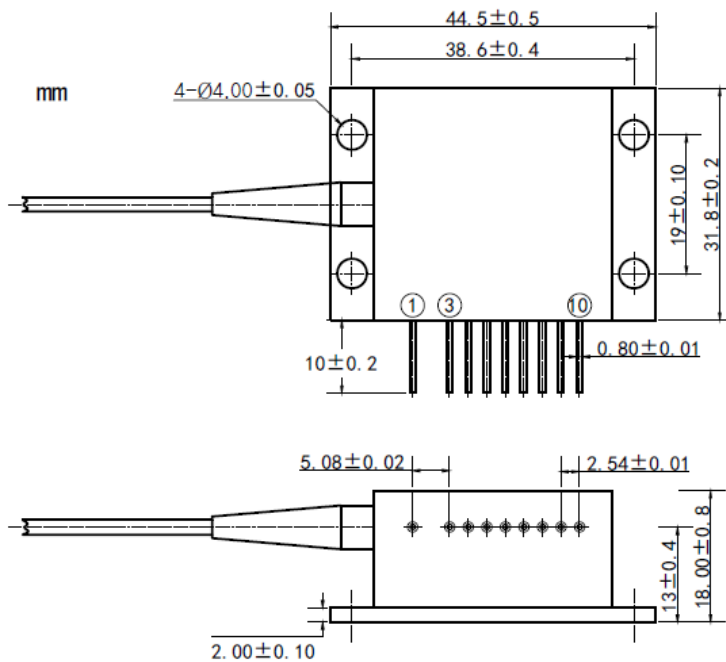
**635nm 1W Fiber Coupled Laser Diode with 9-Pin Package | Built-in TEC cooler**

**635nm~638nm 1W Pigtailed Diode Laser Module With 9-Pin HHL Package | Built-in PD**

**RWLX-635-001-M-H9-T-PD**

635nm Pigtailed Diode Laser		1W/MM Fiber	
PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Voltage	$V_r$	2.0	V
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>● 638nm</li> <li>● 9-Pin Package</li> <li>● Built-in TEC Cooler</li> <li>● Built-in Photodiode</li> </ul>			
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Sensor</li> <li>● Others</li> </ul>			
<b>Specifications</b>	<b>RWLX-635-001-M-H9-T-PD</b>		
	Min	Type	Max
Center Wavelength@25°C	630nm	638nm	645nm
Output Power	0.9W	1W	
Spectral Width (FWHM)		2nm	
Recommended Operating Temperature	25°C		
Temperature Coefficient of Wavelength	0.2nm / °C		
Threshold Current (Typ.)		0.3A	
Operating Current (Typ.)		1.5A	
Operating Voltage		2.4V	
TEC Max Current	6A		
TEC Max Voltage	9.8V		
Thermistor	10K		
Fiber Core	105um (200um Optional)		
N.A.	0.22		
Fiber Connector	FC/SMA905		
Fiber Length	>80cm		
Package Style	9-Pin		

### 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 635nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 3W@635nm+ 12W@808nm)

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.

