

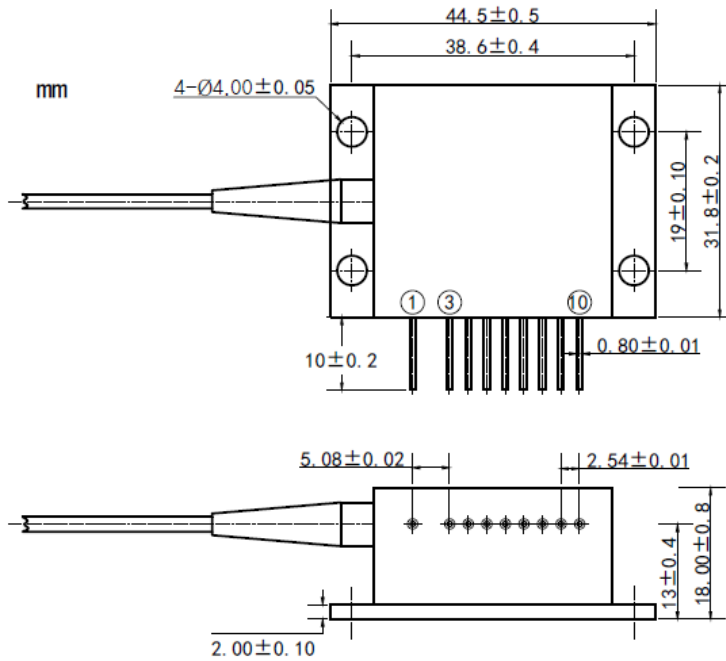
645nm 1.8W Fiber Coupled Laser Diode with 9-Pin Package | Built-in TEC cooler

640nm~645nm 1.8W Pigtailed Diode Laser Module With 9-Pin HHL Package | Built-in PD

RWLX-645-1800m-200M-H9-T-PD

645nm Pigtailed Diode Laser		1.8W/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
Features: <ul style="list-style-type: none"> • 645nm • 9-Pin Package • Built-in TEC Cooler • Built-in Photodiode 			
Applications: <ul style="list-style-type: none"> • Medical Laser Treatment • Sensor • Others 			
Specifications	RWLX-645-1800m-200M-H9-T-PD		
	Min	Type	Max
Center Wavelength@25°C	645nm±5nm		
Output Power	----	1.8W	----
Spectral Width (FWHM)	----	2nm	----
Recommended Operating Temperature	25°C		
Temperature Coefficient of Wavelength	0.2nm / °C		
Threshold Current (Typ.)	----	0.5A	0.8A
Operating Current (Typ.)	----	2.5A	2.8A
Operating Voltage	----	2.4V	2.8V
TEC Max Current	6A		
TEC Max Voltage	9.8V		
Thermistor	10K		
Fiber Core	200um (400um Optional)		
Numerical Aperture	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 645nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 3W@645nm+ 12W@808nm)

Contact us with info@rpmclasers.com

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

