



Narrow Linewidth 1064nm Laser

Key Features:

- Fiber Coupled Output
- Up to 500mW Output
- Low Power Consumption
- Narrow Spectral Bandwidth<0.01nm

Applications:

- Sensing
- Bio-Medical
- Raman Spectrometer

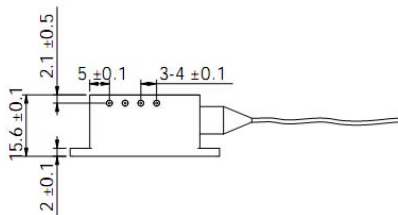
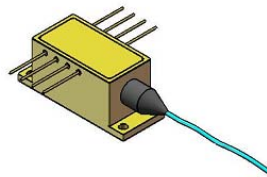
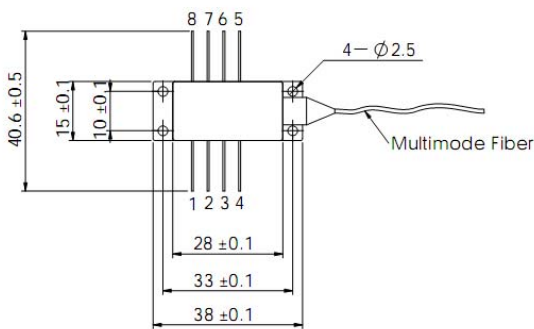
Model Number	RLAS-1064		
Optical Parameters	Photop Specs		
Peak Wavelength	1064.3±0.5nm		
Output Power	100mW	200mW	500mW
Power Stability (Over 2 hours,25°C)	<±2%		
Operating Temperature (case)	10-40 deg C		
Spectral Line Width (FWHM)	<0.01nm		
Noise (10Hz to 1GHz,RMS)	<0.1%		
Warm-Up Time	<1min		
Electrical Parameters			
Working Mode	ACC		
LD Working Voltage	<2.1V	<2.3V	
LD Working Current	<700mA	<1500mA	
Internal TEC	Voltage	<4.8V	
	Current	<2.5A	
Thermal Resistance	10KOhm		
Fiber Parameters			
Fiber Type	105/125um Multimode Fiber		
Fiber Numerical Aperture	0.22		
Fiber Connector	FC/APC or to be Customized		
Other Parameters			
Storage Temperature	-40 to +85 deg C		
Expected Lifetime	>10000hrs		

Order Information:

RLAS—1064—PPP—LL—JJ—TT

PPP: Output Power from Fiber	100=100mW
	200=200mW
	500=500mW
LL: Fiber Length	05=0.5M
	10=1M
	15=1.5M
	20=2M
	00= To be Customized
JJ: Fiber Jacket (diameter)	01= 900 μ m Black Buffer
	02=2.8mm PVC Jacket
	00= To be Customized
TT: Fiber Termination	01=No Connector
	02= FC/APC Connector
	00= To be Customized

Mechanical Drawing (Unit: mm)



1	TEC-
2	Thermistor
3	Thermistor
4	PD+ *
5	PD- *
6	LD+
7	LD-
8	TEC+

*: Optional pin-out for some special lasers