

Semiconductor One-line Laser

- Compact design
- Made with Powell prism
- Provide modulation function
- Wavelength coverage 400-1000nm.



Product parameter list

Parameter	Code	Specification
Optical Parameters		
Center Wavelength	λ_c	Optional
Output Power	P _o	Optional
Power stability	P _s	<5%
Fan Angle		5°~90°
Linewidth		Optional
Straightness		Optional
Noise	N	<1%
Electric Parameter		
working voltage		
Environmental Parameter		
		3 - 12 V D C * ¹
Working Temperature (°C)	T _{o p}	1 0 ~ 4 0
Storage Temperature (°C)	T _{s t}	- 4 0 ~ 8 5

*1 Differences in the working voltage of different wavelength laser, the specific please consulting us.

Wavelength(nm)	linewidth(nm)	Output power(mw)	Power stability/peak valu	Spot stability(urad)
405+/-5	<2	0-160	<5%	<50
445+/-5	<2	0-100	<5%	<50
450+/-5	<2	0-100	<5%	<50
488+/-5	<2	0-40	<5%	<50
520+/-5	<2	0-40	<5%	<50
633+/-5	<2	0-60	<5%	<50
638+/-5	<2	0-150	<5%	<50
648+/-5	<2	0-120	<5%	<50
658+/-5	<2	0-120	<5%	<50
690+/-5	<2	0-20	<5%	<50
705+/-5	<2	0-40	<5%	<50
730+/-5	<2	0-30	<5%	<50
780+/-5	<2	0-120	<5%	<50
785+/-5	<2	0-120	<5%	<50
808+/-5	<2	0-120	<5%	<50
830+/-5	<2	0-100	<5%	<50
850+/-5	<2	0-40	<5%	<50
905+/-5	<2	0-80	<5%	<50
915+/-5	<2	0-160	<5%	<50
940+/-5	<2	0-100	<5%	<50
980+/-5	<2	0-160	<5%	<50
1064+/-5	<2	0-160	<5%	<50

Ordering specification (optional)

		LLC-405	-	50	-	10	-	0.1
One-line Laser	LLC							
Laser wavelength								
405nm	405							
445nm	445							
450nm	450							
...								
Fiber output power								
10mW	10							
50mW	50							
100mW	100							
...								
One-line Fan Angle								
5°	5							
10°	10							
...								
Linewidth								
0.1mm	0.1							
0.2mm	0.2							
0.3mm	0.3							
...								

Laser size

