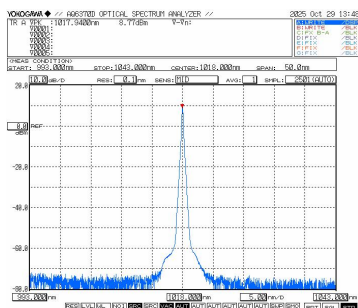


# Single-mode fiber-coupled laser (1018nm)



## Product Introduction

This laser adopts semiconductor laser chips. The professionally designed drive and temperature control circuit ensures the safe operation of the laser, and the output power and spectrum are stable. It is suitable as a seed laser for high-power lasers and can also be used for the production and testing of optical devices. It is available in desktop or modular packaging.

## Characteristics

- High output power
- Spectral stability
- Single-mode optical fiber output

## Application

- Seed laser
- Optical testing
- Research on nonlinear optics

## Product parameters

Optical Parameter	Units	Typical Values	Notes
Wavelength	nm	1018	
Wavelength accuracy	nm	$\pm 1$	
Spectral width	nm	$< 0.5$	
Working Mode	—	CW	Continuous-wave
Max Output Power	dBm	30/33/37	
	W	1/2/5	
OP regulation range	—	10%~100%	
S-term FS(15 min)	dB	$\leq \pm 0.05$	Equivalent $\leq \pm 1\%$
L-term FS(8 h)	dB	$\leq \pm 0.1$	Equivalent $\leq \pm 2\%$
Polarization state	—	Random	
Polarization extinction ratio PER	dB	—	
Type of optical fiber	—	Hi1060	
Optical fiber connector	—	FC/APC	Only for output testing

### Electrical and environmental parameters

### Desktop

Control mode	Touch screen /RS232 serial port communication
Communication interface	DB9 Female
Power supply	AC100~240V , <150W
Size or code	B3
Operating temperature and humidity range	-5~+35°C; 0~70%

## Ordering information

FLH	Working wavelength (nm)	Output power (W)	Output the type of pigtail fiber	Encapsulation form
	1018	30/33/37	SM	B3=Desktop