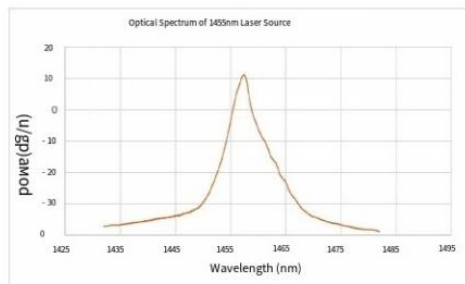


1450nm Wavelength SM Fiber Coupled Laser

The 1450 nm band semiconductor laser light source output by single-mode optical fiber adopts high-performance butterfly-shaped semiconductor lasers. It is controlled by a professionally designed drive and temperature control circuit to ensure the safe and stable operation of the laser. It can be provided in desktop or module packaging.



Features

High output power
Power and spectral stability
Module or desktop packaging

Application

Application
Fiber laser
Optical testing

Optical indicators	unit	Typical value		Note
Working wavelength	nm	1455		1425/ 1435/ 1465 are available for selection
Wavelength accuracy	nm	±3		FBG wavelength locking
Working mode	-	CW		Continuous light
Output power	mW	200/350/50		Customizable
Power regulation range	-	10% to 100%		
Short-term stability (15 minutes)	dB	±0.02 or less		Equivalent $\leq \pm 0.5\%$
Long-term stability (8 hours)	dB	±0.05 or less		Equivalent $\leq \pm 1.2\%$
polarization state	-	random	Linear polarization	
Fiber pigtail type	-	SMF-28	PM1550	
Fiber pigtail connector type		FC/APC	FC/APC (Slow Axis Alignment)	

Electrical and environmental parameters	Desktop	Module
Control mode	Key input / RS232 serial communication	RS232 serial communication
Communication interface	DB9 Female	DB9 Female
for Electricity	100~240V AC, <30W	5V DC, <15W
ruler inch	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating temperature range	-5~+35 C	
Working humidity range	0 to 70%	

Ordering Information / Model

FL	Working wavelength (nm)	Output power (mW)	Output pigtail type	Encapsulation form
	1425/ 1435/ 1455/ 1465	200/350/50	SM= SMF-28 PM= PM1550	M = module B = desktop