

1550nm single-mode fiber-coupled laser (1~20W benchtop)

CW & PUMP LASERS



This laser uses a DFB seed laser and cooperates with a high-power gain optical path module to realize single-mode fiber output of single-wavelength high-power laser. The professionally designed drive and temperature control circuit control ensures the safe and stable operation of the laser, and the spectrum and power remain stable for a long time. The desktop is designed to be convenient to operate, and the control interface is simple and intuitive, making it suitable for laboratory use by scientific research users.

Specifications

Parameter	Specification
Operating wavelength (nm)	1550±0.5
Spectral linewidth (nm)	≤0.1
Side mode rejection ratio (dB)	>50
Working mode	CW
Output power (W)	1/2/5/10/15/20
Short-term stability (15 minutes) (dB)	≤ ±0.02
Long-term stability (8 hours) (dB)	≤ ±0.05
Pigtail type	SMF-28/PM1550
Fiber pigtail joint type	FC/APC

* operating wavelength: 1540~1570 nm customizable

* working mode: continuous light

* Output power: 15/20W Desktop only

* short-term stability (15 minutes): equivalent $\leq \pm 0.5\%$

* long-term stability (8 hours): equivalent $\leq \pm 1.2\%$

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.