

# 1550nm single-mode fiber-coupled laser (1~10W module)

## CW & PUMP LASERS



This laser module adopts a DFB laser chip 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 modular package has a compact structure, which facilitates user system integration and is more suitable for engineering applications.

### 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
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: customizable

\* 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](mailto:sales@wavequanta.com).