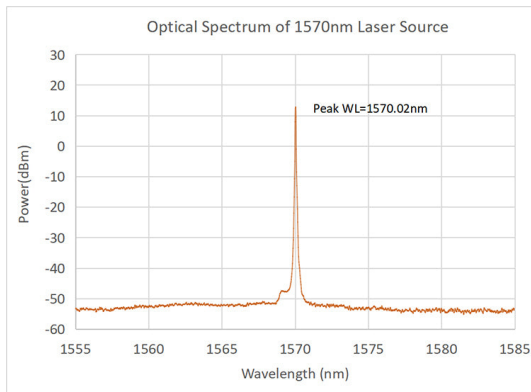


# 1570 nm single-mode fiber-coupled laser

## CW & PUMP LASERS



The 1570 nm single-wavelength laser uses a high-performance butterfly-shaped semiconductor laser chip. The professionally designed driving and temperature control circuit control ensures the safe operation of the laser and stable output power and spectrum. Suitable as a pump laser source for thulium-doped fiber lasers or fiber amplifiers, and can be provided in benchtop or modular packaging.

## Specifications

| Parameter                              | Specification                |
|--|------------------------------|
| Operating wavelength (nm)              | 1570±1                       |
| Spectral linewidth (nm)                | < 0.1                        |
| Side mode rejection ratio (dB)         | >50                          |
| Working mode                           | CW                           |
| Output power (mW)                      | 10/20/50/100/ 200/400/500    |
| DBm (30/33/35/37/40)                   | High power models            |
| Short-term stability (15 minutes) (dB) | ≤ ±0.02                      |
| Long-term stability (8 hours) (dB)     | ≤ ±0.05                      |
| Polarization state                     | linear polarization          |
| Pigtail Types                          | PM1550                       |
| Pigtail joint type                     | FC/APC (Slow axis alignment) |

\* working mode: continuous light

\* Output power: Low power models

\* short-term stability (15 minutes): equivalent ≤±0.5%

\* long-term stability (8 hours): equivalent ≤±1.2%

\* pigtail joint type: \* Connectors are used for power testing

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