

# 1550nm band continuous scanning wavelength laser

## CW & PUMP LASERS



The scanning wavelength laser adopts a dedicated VCSEL laser chip, which can realize high-speed scanning of laser wavelength and couple output with single-mode fiber. The professionally designed drive and temperature control circuit control ensures stable operation of the laser and can be provided in desktop or modular packaging.

### Specifications

Parameter	Specification
Wavelength scan range (nm)	1543~1551
Scanning frequency (kHz)	0.1~100
Spectral linewidth (MHz)	≤ 100
Minimum scan step size (pm)	8
Sideband suppression ratio (dB)	>50
Output power (mW)	≥20
Short-term stability (15 minutes) (dB)	≤ ±0.02
Long-term stability (8 hours) (dB)	≤ ±0.05
Pigtail type	SMF-28 Or PM1550
Fiber pigtail joint type	FC/APC

\* Wavelength scan range: ≥8nm

\* Scanning frequency: Adjustable

\* spectral linewidth: equivalent ≤0.8pm

\* Minimum scan step size: 1GHz

\* short-term stability (15 minutes): Single wavelength full temperature

\* long-term stability (8 hours): Single wavelength full temperature

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