

**NEW** High Speed Scanning Laser  
**HSL-2000**

The HSL-2000 is a new type of tunable laser. The wavelength of the emitted light is continuously scanned, at high speed, over the full 110nm range. Scan rates of up to 20kHz are available. This type of laser is particularly suitable for imaging applications such as optical coherence tomography (OCT) but can also be used in spectroscopy and fiber optic sensing systems. The HSL-2000 has a coherence length of over 10mm. This is particularly important for OCT and enables detailed imaging over an extended depth. The 20kHz high speed scan is an advantage for spectroscopic applications enabling real-time monitoring and analysis.

**Features**

- ▶ Up to 20kHz Scan Speed
- ▶ 110nm Wavelength Scan Range
- ▶ >3mW Output Power (Peak: >10mW)
- ▶ Linear Scan

**Applications**

- ▶ Optical Coherence Tomography (OCT)
- ▶ Fiber Sensing
- ▶ Optical Spectroscopy
- ▶ Optical Component Test

**Specifications**

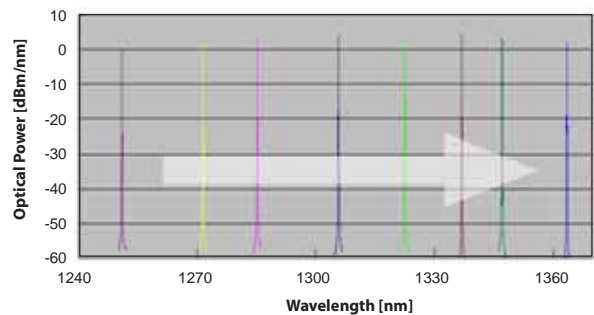
Parameter	Unit	Specification
Center Wavelength *1	nm	1310 ± 10
Scan Range *2	nm	>110
Peak Power	mW	>10
Coherence Length	mm	>10
Scan Rate	kHz	10 & 20
Duty Rate	%	> 65
Trigger Output	-	Start Trigger K-Trigger (option)

\*1 Other wavelength ranges are available.

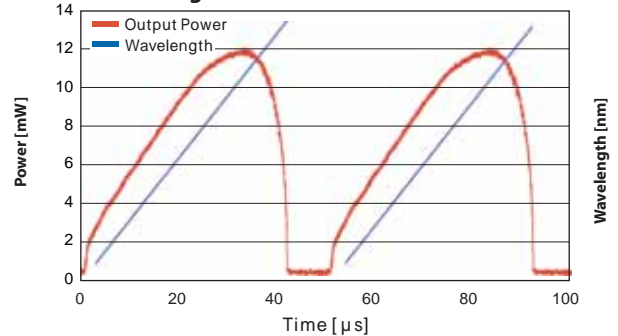
\*2 Specified for optical output power >3mW.



**Sampled Output Spectrum**



**Wavelength and Power Characteristics**



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