

Features:

- These low-power SLDs are developed specially for customers looking for extremely broadband and extremely low rippled SLDs in this spectral range
- low cost low power modules
- flat spectrum with negligible Fabry-Perot modulation depth

Applications:

- optical sensing
- optical measurements

Packages: DIL, BUT; others on request

Additional & customized:

- PD-monitors
- PM fiber pigtails, polarized or Lyot-depolarized output
- FC/APC terminated pigtails

Specifications

(Nominal Emitter Stabilization Temperature +20 °C)

Parameter	Min	Typ	Max
Output power ex SM fiber, emitter @ +20 °C	0.25	0.35	-
SLD direct current, mA	-	-	250
Forward voltage, V	-	-	2.2
Peak wavelength, nm	1370	1390	1410
Spectrum width, nm	75	85	-
Residual spectral modulation depth, %	-	1	2.5
Secondary coherence subpeaks, dB (10 log)	-	-25	-20
Operation temperature range (case), °C*	-55	-	+80
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

* butterfly packaged modules

Attention: Spectrum peak at 1390 nm is not guaranteed if not specially requested!

Following marking should be used for **ORDERING**:

SLD-661-LP-(c)-(d)-(e)

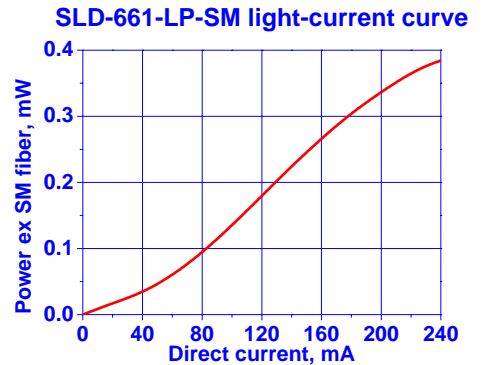
Where:

- c=package type
- d=SM (isotropic) or PM (polarization maintain)
- e=PD (monitoring photodiode)

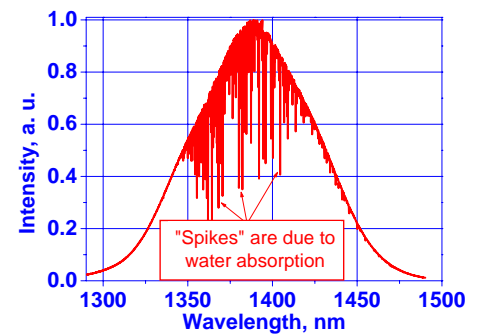
Example: SLD-661-LP-DBUT-SM-PD

All specifications are subject to change without notice.

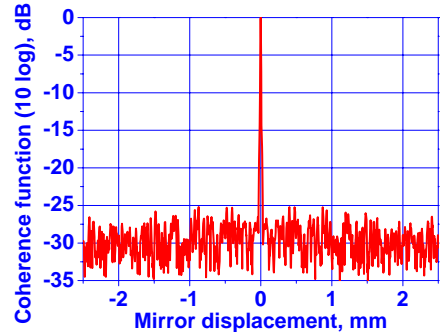
PERFORMANCE EXAMPLES



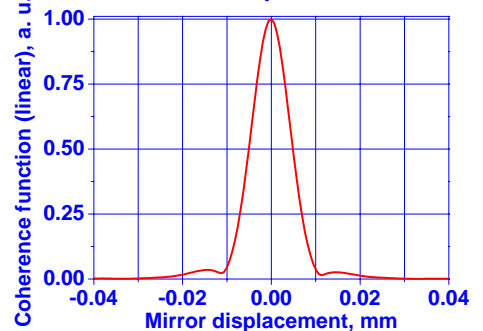
Spectrum, linear plot. 661-LP @ 1390 nm



Extended displacement



Short displacement



Mirror displacement = Optical path difference / 2