

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:

- PM fiber pigtails (slow axis alignment; 45 degree orientation upon request)
- FC/APC terminated pigtails

Specifications

(nominal emitter stabilization temperature +20 °C)

Parameter	Min	Typ	Max
Output power ex SM fiber, mW	0.25	0.35	-
Forward 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
Slow/fast polarization ratio (PM modules)*, dB	5	10	-
Operating temperature (case), °C**	-55	-	+80
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

* Pseudo-depolarized version (light is launched into the fiber with its polarization oriented at 45° to the birefringent axes) is available upon request

** Butterfly packaged modules

The following part numbers should be used when **ordering**:

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

where:

c – package type,

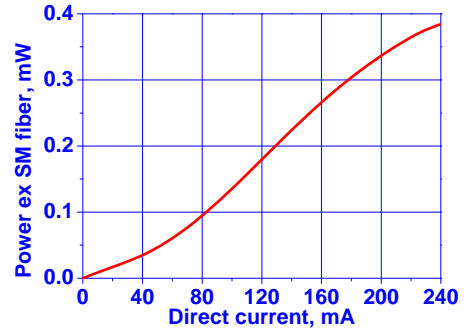
d – SM (isotropic) or PM (polarization maintaining).

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

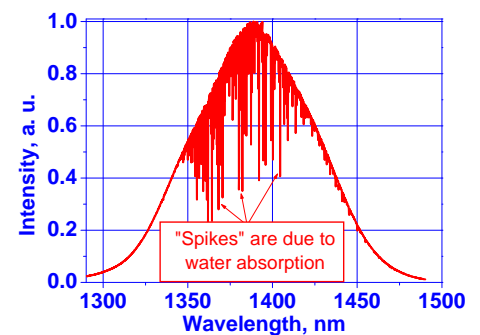
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

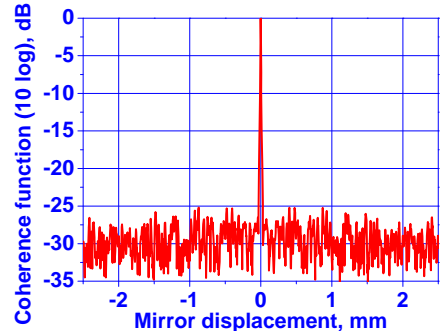
SLD-661-LP-SM light-current curve



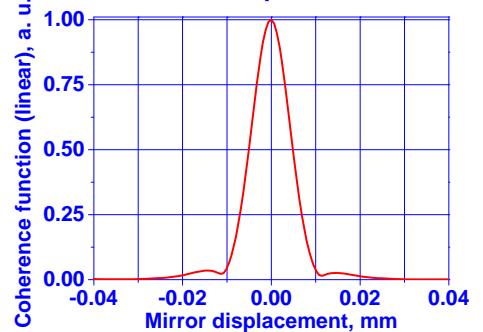
Spectrum, linear plot. 661-LP @ 1390 nm



Extended displacement



Short displacement



Mirror displacement = Optical path difference / 2