Superlum Diodes, Ltd. — SLD-66-MP: Very-Broad-Medium-Power SLDs at 1400 nm

Features:

- **very broad spectrum, 65 nm FWHM**
- flat spectrum with very small Fabry-Perot modulation depth
- maximum -20 dB secondary coherence subpeaks

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	1.5	2.0	-
SLD direct current, mA	-	-	320
Forward voltage, V	-	-	2.2
Peak wavelength, nm	1370	1390	1410
Spectrum width, nm	60	65	-
Residual spectral modulation depth, %	-	2.5	5.0
Secondary coherence subpeaks, dB (10 log)	-	-25	-20
Operation temperature range (case), °C*	-55	-	+75
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-MP-(c)-(d)-(e)

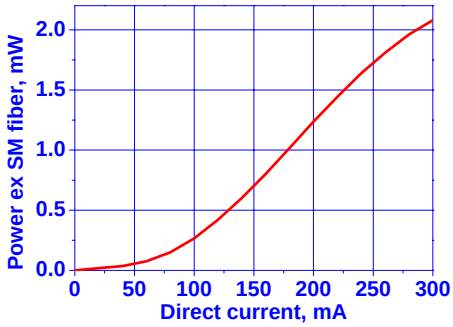
Where:
c=package type
d=SM (isotropic) or PM (polarization maintain)
e=PD (monitoring photodiode)

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

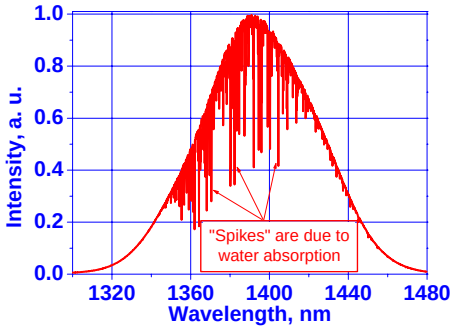
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

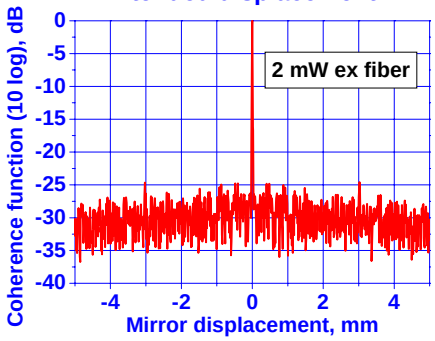
SLD-661-MP-SM light-current curve



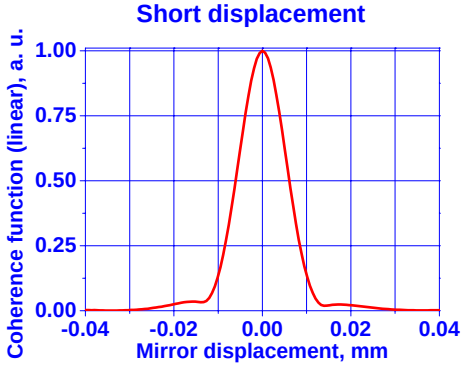
Spectrum, linear plot. 661-MP @ 1390 nm



Extended displacement



Short displacement



Mirror displacement = Optical path difference / 2

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