

Features:

- High output power, 15 mW ex SM fiber
- flat spectrum with small Fabry-Perot modulation depth

Applications:

- optical sensing
- optical measurements

Packages: DBUT; others on request

Additional & customized:

- PM fiber pigtails, polarized / depolarized output
- FC/APC terminated pigtails

Specifications

(Nominal Emitter Stabilization Temperature +20 °C)

Parameter	Category	Min	Typ	Max
Output power ex SM fiber, emitter @ +20 °C SLD-66-HP fiber pigtailed	HP1 HP2	4.0 10.0	5.0 15.0	-
SLD direct current, mA	HP1 HP2	- -	- -	420 600
Forward voltage, V	All	-	1.9	2.5
Peak wavelength, nm	HP1 HP2	1400±10 1410±10		-
Spectrum width, nm	HP1 HP2	55 40	60 45	-
Residual spectral modulation depth, %	All	-	2.5	5.0
Secondary coherence subpeaks (10 log), dB	All	-	-	-20
Operation temperature range (case) at full power, °C	HP1 HP2	-55	-	+70 +60
Cooler current, A	All	-	-	1.2
Cooler voltage, V	All	-	-	3.5

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

SLD-661-HP(N)-(c)-(d)-(e)

Where:

N = 1 or 2 (for HP1 or HP2 respectively)

c = package type

d = SM (isotropic) or PM (polarization maintain)

e = PD (if PD monitor is required)

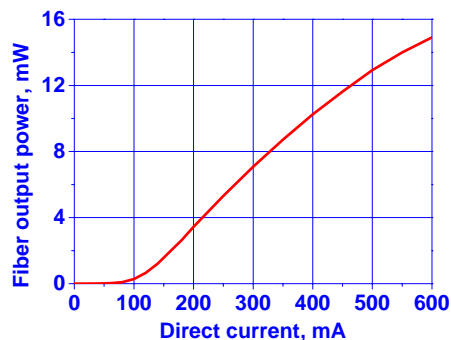
Example: SLD-661-HP2-DBUT-SM-PD

10⁻³ maximum feedback is allowed to run HP series SLDs safely at full power.

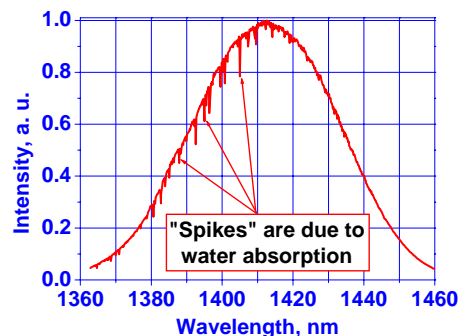
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

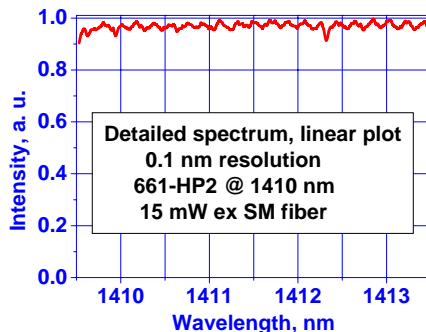
SLD-661-HP2-SM Light-current curve



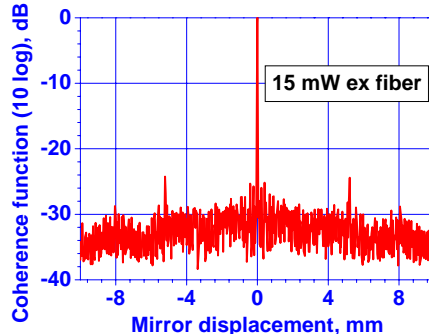
Spectrum, linear plot. 661-HP2 @ 1410 nm



Detailed spectrum trace



Extended displacement



Mirror displacement = Optical path difference / 2