

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 pigtailed, polarized / depolarized output
- FC/APC terminated pigtailed

Specifications (Nominal Emitter Stabilization Temperature +20 °C)

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

The following part numbers should be used when **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).

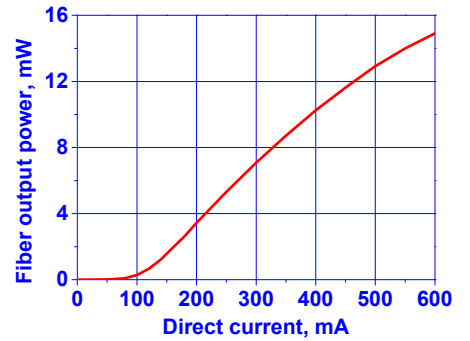
Example: SLD-661-HP2-DBUT-SM-PD.

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

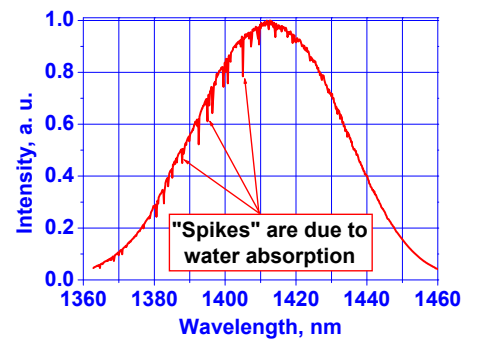
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

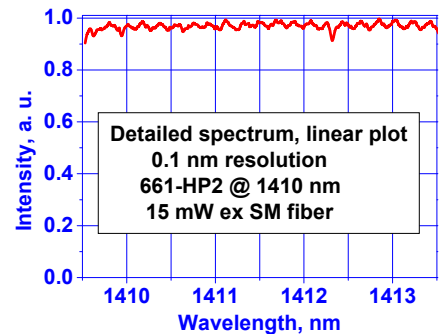
SLD-661-HP2-SM Light-current curve



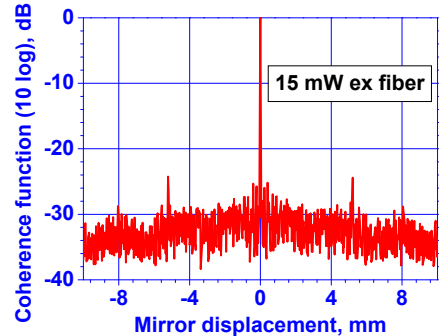
Spectrum, linear plot. 661-HP2 @ 1410 nm



Detailed spectrum trace



Extended displacement



Mirror displacement = Optical path difference / 2