

Features:

- High Output power, 10 mW ex SM fiber
- flat spectrum with small Fabry-Perot modulation depth

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-76-HP fiber pigtailed	HP1	4.0	5.0	-
	HP2	7.5	10.0	-
SLD direct current, mA	HP1	-	-	400
	HP2	-	-	600
Forward voltage, V	All	-	1.9	2.5
Peak wavelength*, nm	All	1440, 1480, 1560 ±10		
Spectrum width, nm**	All	30-35	45	-
Residual spectral modulation depth, dB	All	-	0.25	0.5
Secondary coherence subpeaks (10 log), dB	All	-	-	-20
Slow / fast polarization ratio (PM "polarized" modules), dB***	All	5	10	-
Operation temperature range (case) at full power, °C	HP1	-55	-	+70
	HP2	-	-	+60
Cooler current, A****	All	-	-	1.2
Cooler voltage, V****	All	-	-	3.5

* each specific wavelength is subject for availability

** depending on center wavelength, please ask for details

*** Lyot-depolarized version available upon request

**** 2.5 A/ 4 V TE cooler may be used to extend operation temperature range

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

SLD-761-HP(N)-(c)-(d)-wavelength

Where:

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

c=package type

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

wavelength: required wavelength

Example: SLD-761-HP2-DBUT-SM-1560

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

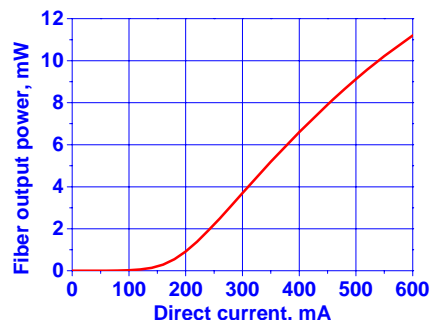
All specifications are subject to change without notice.

Applications:

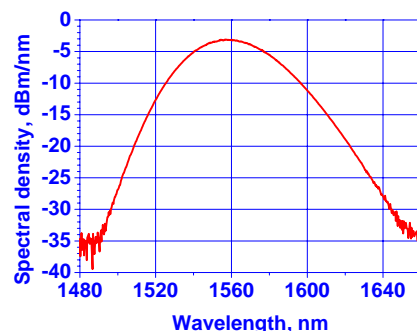
- optical sensing
- optical coherence tomography
- optical measurements
- testing WDM/DWDM components

PERFORMANCE EXAMPLES

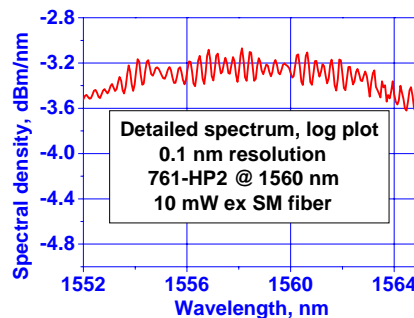
SLD-761-HP2-SM. Light-current curve



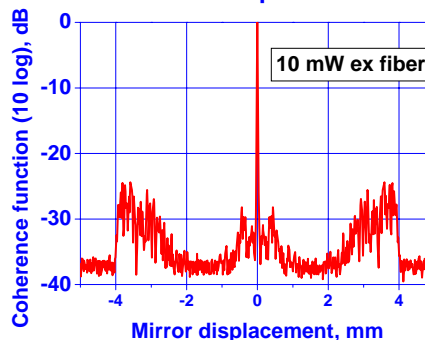
Spectrum, log plot. 761-HP2 @ 1560 nm



Detailed spectrum trace



Extended displacement



Mirror displacement = Optical path difference / 2

