

**Features:**

- high output power, 5 mW ex SM fiber, 15 mW free space
- flat spectrum with small residual Fabry-Perot modulation depth
- typical -20 dB secondary coherence subpeaks

**Packages:**

- **fiber coupled** – DIL, Butterfly
- **free space** – TOW 1, 2, TO 9

**Applications:**

- atomic force microscopy
- optical sensors
- optical coherence tomography
- optical measurements
- others

**Specifications**

**(Nominal Emitter Stabilization Temperature +25 °C)**

Parameter	Min	Typ.	Max
Output power ex SM fiber, emitter @ +25 °C	4	5	-
Output power, mW, emitter @ +25 °C, Glass Window*	12	15	-
Forward current, mA	-	160	200
Forward voltage, V	-	2.6	-
Peak wavelength, nm	-	680	-
Spectrum width, nm	7	8	-
Residual spectral modulation depth, %	-	2.0	5.0
Secondary coherence subpeaks, dB (10 log)	-	-20	-
Slow / fast polarization ratio (PM "polarized" modules), dB**	5	10	-
Operation temperature range (case), °C***	-55	-	+75
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

\* TOW or TO packaged SLDs  
 \*\* LYOT depolarized versions are available upon request  
 \*\*\* Butterfly packaged SLDs

**Additional & customized:**

- PD - monitors
- FC/APC terminated pigtails
- PM pigtails (polarized or Lyot-depolarized output)

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

SLD-26(a)-HP1-(c)-(d)-(e)

Where:

a = 0 (free space) or 1 (fiber pigtailed)  
 c = package type

d = type of fiber, SM (isotropic) or PM (polarization maintain)

e = PD (if PD monitor is required)

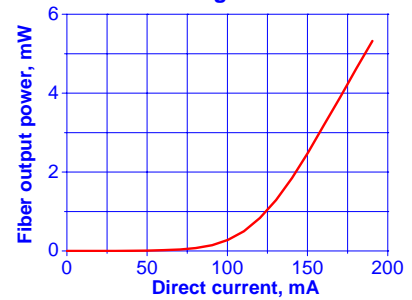
Example: SLD-261-HP1-DBUT-SM-PD

**10<sup>-3</sup> maximum feedback is allowed to run HP series SLDs safely at full power.**

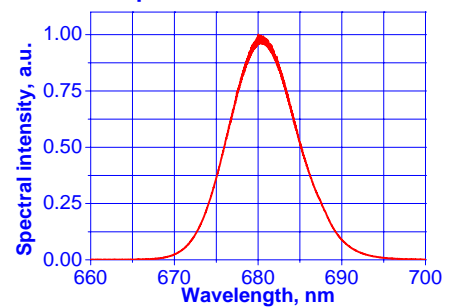
All specifications are subject to change without notice.

**PERFORMANCE EXAMPLES**

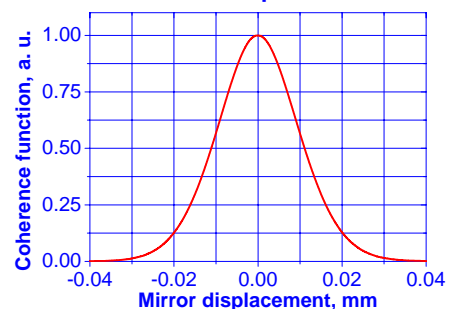
**SLD-261-HP. Light-current curve**



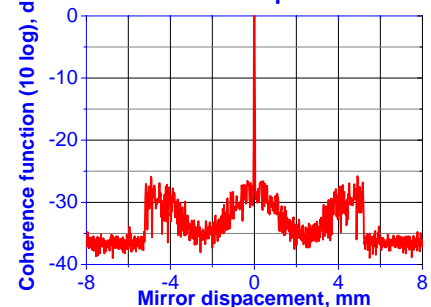
**Spectrum at 5mW ex fiber**



**Short displacement**



**Extended displacement**



Mirror displacement = Optical path difference / 2

