

**Features:**

- operating in the 650-nm visible range
- flat spectrum with negligible residual Fabry-Perot modulation depth
- maximum parasitic secondary coherence subpeaks intensity below -25 dB (10 log), maximum below -30 dB upon request

**Packages:**

- **fiber pigtailed** – 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 is +25 °C)

Parameter	Min.	Typ.	Max.
Output power (ex SM fiber*), mW	0.1	0.2	–
Output power (free space**), mW	0.3	0.5	–
Forward current, mA	–	150	200
Forward voltage, V	–	2.9	–
Peak wavelength, nm	–	650	–
Spectrum width, nm	5.0	6.0	–
Residual spectral modulation depth, %	–	1.0	2.0
Secondary coherence subpeaks, dB (10 log)	–	-25	–
Slow/fast polarization ratio*** (for PM pigtails), dB	5	10	–
Operating temperature**** (case), °C	-55	–	+75
Cooler current, A	–	–	1.2
Cooler voltage, V	–	–	3.5

\* For DIL and Butterfly packages

\*\* For TOW and TO packages

\*\*\* Pseudo-depolarized versions (light is launched into the fiber at 45 degrees to the birefringent axes) are available upon request

\*\*\*\* For Butterfly packages

**Additional and customized:**

- PD monitors
- FC/APC-terminated pigtails
- PM pigtails, polarized or pseudo-depolarized output

The following part numbers should be used for **ordering**:

SLD-25(a)-LP-(c)-(d)-(e),

where

a – 0 (free space) or 1 (fiber pigtailed),

c – package type,

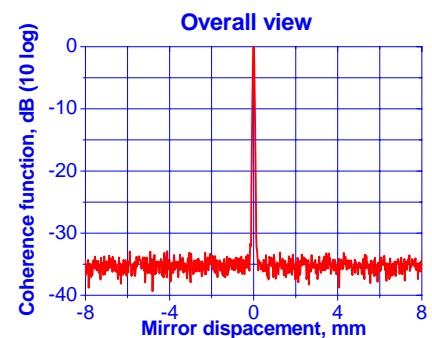
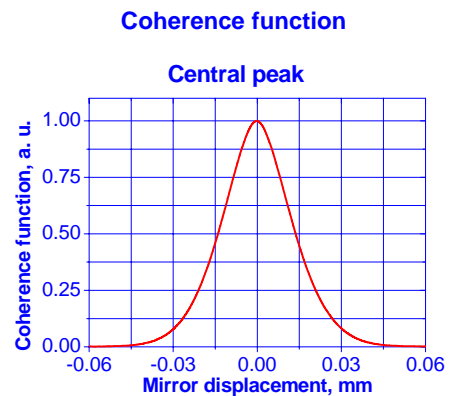
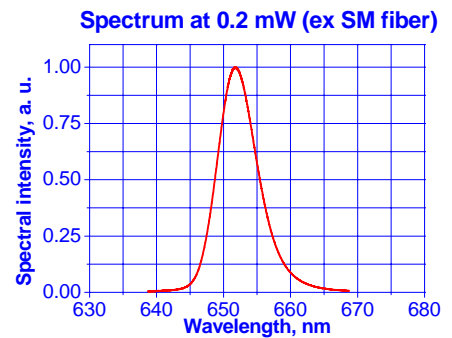
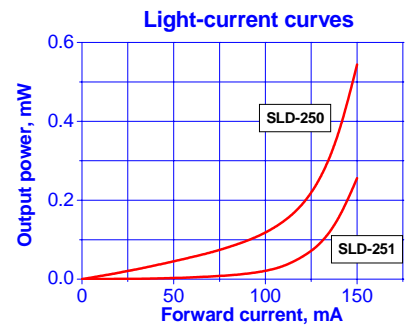
d – fiber type: SM (isotropic) or PM (polarization maintain),

e – PD (if PD monitor is required).

Example: SLD-251-LP-DBUT-SM-PD.

All specifications are subject to change without notice.

**PERFORMANCE EXAMPLES**



Mirror displacement = Optical path difference/2