

**Features:**

- Low cost medium power modules at 920 nm
- Flat spectrum with negligible residual Fabry-Perot modulation depth
- Maximum secondary coherence subpeaks of -20 dB, -30 dB upon request.

**Packages:**

- **Fiber coupled:** DIL, Butterfly
- **Free space:** TOW

**Additional & customized:**

- PD monitors
- FC/APC terminated pigtails
- PM pigtails (slow mode orientation)

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

Parameter	Min	Typ	Max
Output power ex SM fiber, emitter @ +25 °C, mW	1.5	3.0	-
Output power, Glass Window*, emitter @ +25 °C, mW	5.0	7.5	-
Forward current, mA	-	100	150
Forward voltage, V	-	-	2.2
Central wavelength, nm	910	920	930
Spectrum width, nm	-	20	-
Residual spectral modulation depth, %	-	1.0	2.0
Secondary coherence subpeaks, dB, (10 log)	-	-25	-20
Slow / fast polarization ratio (PM "polarized" modules) <sup>†</sup> , dB	5	10	-
Operating temperature (case) <sup>‡</sup> , °C	-55	-	+85
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

\* TOW packaged SLDs;

<sup>†</sup> Pseudo-depolarized versions (light is launched into the fiber with its polarization oriented at 45° to the birefringent axes) are available upon request

<sup>‡</sup> Butterfly packaged SLDs

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

SLD-48(a)-MP-(c)-(d)-(e)-920,

where: (a) – 0 (free space) or 1 (fiber pigtailed), (c) – package type, (d) – SM (isotropic) or PM (polarization maintaining) fiber (pigtailed versions only), (e) – PD (if PD monitor is required).

Example: SLD-481-MP-DIL-SM-PD-920.

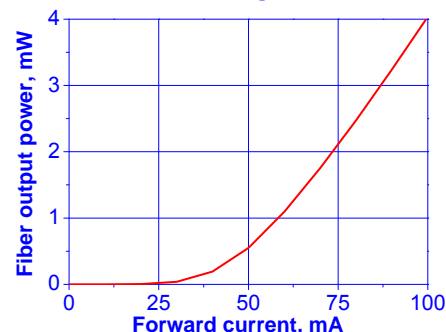
All specifications are subject to change without notice.

**Applications:**

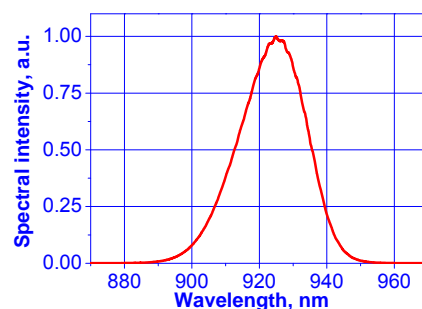
- Fiber optic sensors
- Optical coherence tomography
- Optical measurements

**PERFORMANCE EXAMPLES**

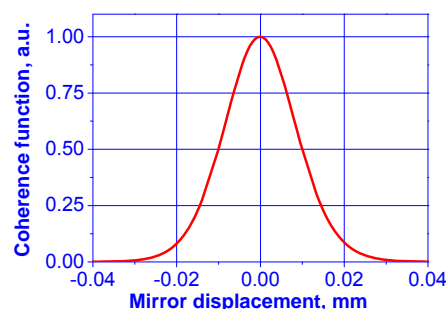
**SLD-481-MP-SM - Light-current curve**



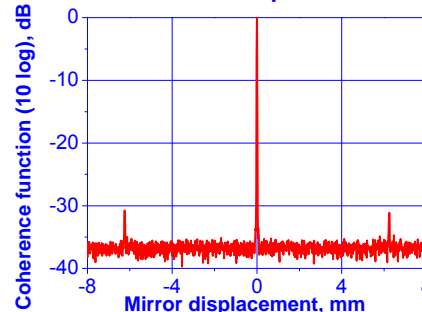
**Spectrum, 3 mW ex SM fiber**



**Short displacement**



**Extended displacement**



Mirror displacement = Optical path difference / 2