**SUPERLUM**

# SLD-761-LP: extremely low rippled, very wide spectrum SLD at 1560 nm

**These low-power SLDs are developed specifically for customers looking for extremely broadband and extremely low rippled SLD for the most common communication bands.**

**Features:**

- Low cost low power modules
- Flat spectrum with negligible residual Fabry-Perot modulation depth

**Packages:** DIL, BUT, others on request

**Additional & customized:**

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

**Specifications (Nominal Emitter Stabilization Temperature +20°C)**

| Parameter | Min | Typ | Max |
|---|---|---|---|
| Output power ex SM fiber, emitter @ +20 °C, SLD-76-LP fiber pigtailed, mW | 0.15 | 0.2 | – |
| Central wavelength*, nm | 1540 | 1560 | 1580 |
| Spectrum width, FWHM, nm | 80 | 100 | – |
| Spectral density, ±50 nm from peak wavelength, dBm/0.1 nm | −50 | – | – |
| Maximum spectral ripple, peak-to-peak, % | – | 1 – 2 | 5 (0.2 dB) |
| Secondary coherence subpeaks (Reflectivity), dB | – | < −40 | – |
| Forward current, mA | – | – | 200 |
| Forward voltage, V | – | 1.6 | 2.2 |
| Operating temperature (case), °C | −55 | - | +70 |
| Cooler current, A | – | - | 1.2 |
| Cooler voltage, V | – | - | 3.5 |

* Each specific central wavelength is subject to availability.

The following part numbers should be used when ordering:

SLD-761-LP-(c)-(d)-(f),
where:
(c) – package type,
(d) – SM (isotropic) or PM (polarization maintaining) fiber,
(f) – required wavelength (1560).

Example: SLD-761-LP-DIL-SM-1560.

Attention: Devices rated to maximum 0.1 dB peak-to-peak ripple at full power are available upon request.

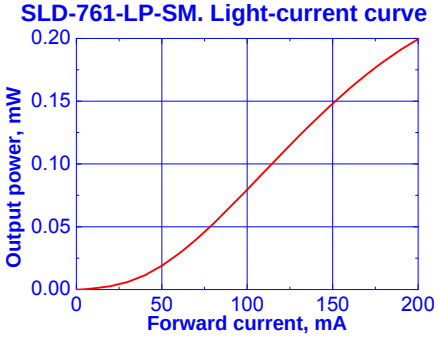
All specifications are subject to change without notice.

## Applications:

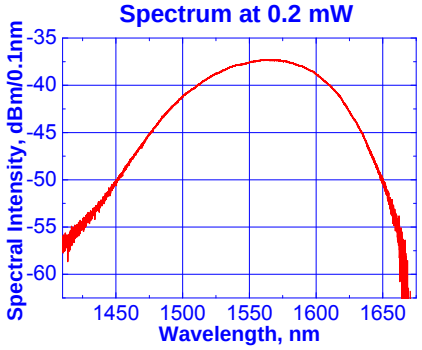
- WDM/DWDM components testing
- Fiber optic metrology
- Fiber optic gyros
- Fiber optic sensors
- Optical coherence tomography
- Optical measurements

## PERFORMANCE EXAMPLES

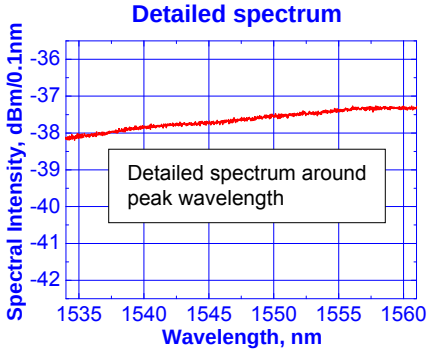
**SLD-761-LP-SM. Light-current curve**




**Spectrum at 0.2 mW**




**Detailed spectrum**





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