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.

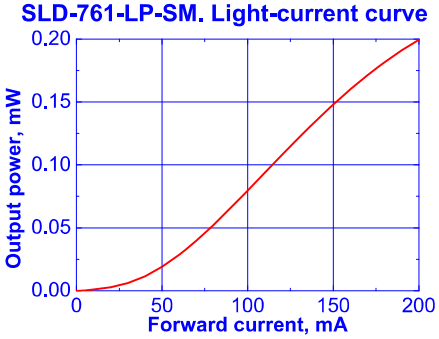
All specifications are subject to change without notice.

Applications:

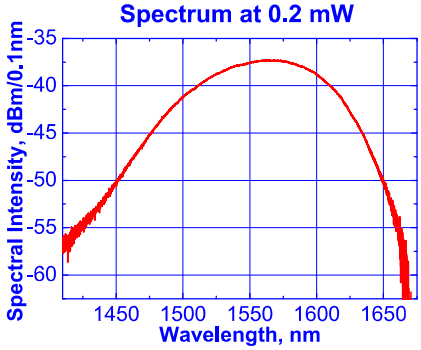
- WDM/DWDM components testing
- Fiber optic metrology
- Fiber optic gyros
- Fiber optic sensors
- Optical coherence tomography
- Optical measurements

PERFORMANCE EXAMPLES

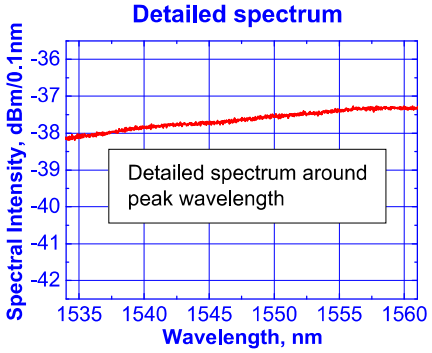
SLD-761-LP-SM. Light-current curve



Spectrum at 0.2 mW



Detailed spectrum



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