

These low-power SLDs are developed specifically for customers looking for extremely broadband and extremely low rippled SLD for the most common communication bands. Devices are available at 1550 nm and 1450 nm center wavelengths.

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	Series	Min	Typ	Max
Output power ex SM fiber, emitter @ +20 °C SLD-76-LP fiber pigtailed	All	0.15	0.2	-
Peak wavelength, nm	LP-1450	1430	1450	1470
	LP-1550	1540	1560	1580
Spectrum width, FWHM, nm	LP-1450	60	70	-
	LP-1550	80	100	-
Spectral density, ± 50 nm from peak wavelength, dBm/0.1 nm	All	-50	-	-
Maximum spectral ripple, peak-to-peak, %	All	-	1-2	5 (0.2 dB)
Secondary coherence subpeaks (Reflectivity), dB	All	-	<-40	-
Forward current, mA	All	-	-	200
Forward voltage, V	All	-	1.6	2.2
	All	-55	-	+70
	All	-	-	1.2
	All	-	-	3.5

Parameter	Category	Min	Typ	Max
Forward current	All	-	-	200
Forward voltage, V	All	-	1.6	2.2
Operation temperature range (case), °C	All	-55	-	+70
Cooler current, A	All	-	-	1.2
Cooler voltage, V	All	-	-	3.5

* - each specific peak wavelength is subject for availability.

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

SLD-761-LP-(c)-(d)-wavelength

Where:

c = package type

d = SM (isotropic) or PM (polarization maintain) fiber

wavelength: 1450 or 1550

Example: SLD-761-LP-DIL-SM-1450

Attention: peak wavelength is guaranteed within ± 10 nm upon specified. Each specific wavelength may be subject for availability. 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:

- testing WDM/DWDM components
- fiberoptic metrology
- fiberoptic gyros
- fiberoptic sensors
- optical coherence tomography
- optical measurements

PERFORMANCE EXAMPLES

