

Features:

- very high output power, 10 mW ex SM fiber
- two power categories
- flat spectrum with small residual Fabry-Perot modulation depth

Packages: standard: 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	Category	Min	Typ	Max
Output power ex SM fiber, emitter @ +20 °C SLD-561	HP1	-	-	5.0
	HP2	-	-	10.0
SLD direct current, mA	HP1	-	-	300
	HP2	-	-	400
Forward voltage, V	All	-	-	2.7
Peak wavelength, nm	All	1270	1300	1330
Spectrum width, nm	All	30	35	-
Residual spectral modulation depth, %	All	-	2.5	5.0
Secondary coherence subpeaks (10 log), dB	All	-	-40	-
Operation temperature range (case), °C	All	-55	-	+60
Cooler current, A	All	-	-	1.2
Cooler voltage, V	All	-	-	3.5

Attention: Spectrum peaked at 1300 nm is not guaranteed if not specially requested!

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

SLD-561-(b)-(c)-(d)

Where:

B = category HP1 or HP2

c = package type

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

Example: SLD-561-HP1-DIL-SM

10⁻³ maximum feedback is allowed to run HP series SLDs safely at full power.

All specifications are subject to change without notice.

Applications:

- optical sensing
- optical coherence tomography
- optical measurements

PERFORMANCE EXAMPLES

