

Features:

- Medium power modules, three power categories
- Flat spectrum with very small residual Fabry-Perot modulation depth
- Maximum -30 dB (reflectivity) parasitic secondary coherence subpeaks

Packages: DIL, BUT; others on request

Additional & customized:

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

* Light is launched into the fiber with its polarization oriented at 45° to the birefringent axes.

Specifications (Nominal Emitter Stabilization Temperature +20°C)

Parameter	Category	Min	Typ	Max
Output power ex SM fiber, SLD-561-MP modules, mW	MP1	0.35	0.5	-
	MP2	0.75	1.0	-
	MP3	1.5	2.0	-
Forward current, mA	MP1	-	-	200
	MP2	-	-	300
	MP3	-	-	300
Forward voltage, V	All	-	1.6	2.0
Peak wavelength, nm	All	1270	1300	1330
Spectrum width**, FWHM, nm	All	30	40	-
Residual spectral modulation depth, %	All	-	2.0	5.0
Secondary coherence subpeaks*** (Reflectivity), dB	All	-	-40	-30
Operating temperature (case), °C	MP1	-55	-	+80
	MP2,3	-55	-	+70
Cooler current, A	All	-	-	1.2
Cooler voltage, V	All	-	-	3.5

** > 40 nm upon request.

*** Devices with secondary coherence subpeaks < -40 dB are available upon request.

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

SLD-561-(b)-(c)-(d)-(e),
where:

- (b) – power category (MP1...MP3),
- (c) – package type,
- (d) – SM (isotropic) or PM (polarization maintain) fiber (pigtailed versions only),
- (e) – PD (if PD monitor is required).

Example: SLD-561-MP2-DBUT-SM.

All specifications are subject to change without notice.

Applications:

- fiberoptic gyros
- fiberoptic sensors
- optical coherence tomography
- optical measurements

PERFORMANCE EXAMPLES

