

Features:

- Central wavelength of 1550 nm
- Three power categories
- Wide spectrum with small Fabry-Perot modulation depth

Packages: DIL, DBUT, others on request

Additional & customized:

- PD monitors (for selected models)
- PM fiber pigtails (slow axis alignment; 45 degree orientation upon request)
- FC/APC terminated pigtails

Specifications

(Nominal Emitter Stabilization Temperature +20 °C)

Parameter	Category	Min	Typ.	Max
Output power ex SM fiber, mW	MP1	0.35	0.5	–
	MP2	0.75	1.0	–
	MP3	1.5	2.0	–
Forward current, mA	All	–	–	300
Forward voltage, V	All	–	1.6	2.5
Central wavelength*, nm	All	1550±20		
Spectrum width†, nm	All	40	50	
Residual spectral modulation depth, %	All	–	2.0	5.0
Secondary coherence subpeaks, dB (10 log)	All	–	–	–20
Slow / fast polarization ratio (PM modules)‡, dB	All	5	10	–
Operating temperature (case) at full power, °C	All	–55	–	+70
Cooler current, A	All	–	–	1.2
Cooler voltage, V	All	–	–	3.5

* Each specific central wavelength is subject to availability

† Depending on central wavelength, please ask for details

‡ Pseudo-depolarized version (light is launched into the fiber with its polarization oriented at 45° to the birefringent axes) is available upon request

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

SLD-761-(b)-(c)-(d)-(f),

where:

- (b) – power category (MP1, MP2 or MP3),
- (c) – package type,
- (d) – SM (isotropic) or PM (polarization maintaining),
- (f) – required wavelength (1550).

Example: SLD-761-MP2-DBUT-SM-1550.

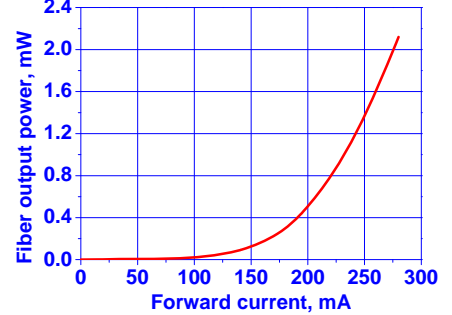
All specifications are subject to change without notice.

Applications:

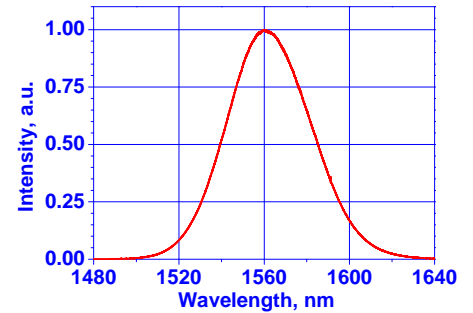
- Optical sensors
- Optical coherence tomography
- Optical measurements

PERFORMANCE EXAMPLES

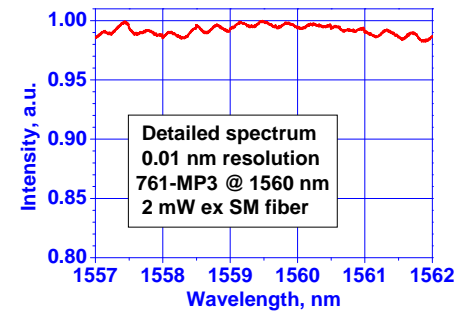
SLD-761-MP3-SM. Light-current curve



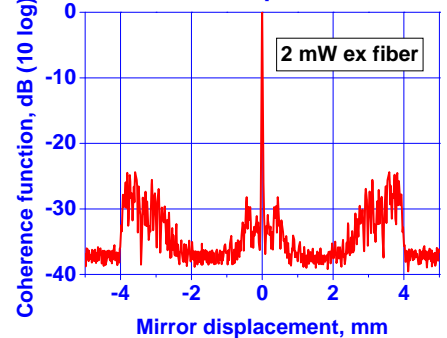
SLD-761-MP3-SM-1560. Spectrum



Detailed spectrum



Extended displacement



Mirror displacement = Optical path difference / 2