

Features:

- very wide, 70 nm FWHM optical spectrum
- short coherence length
- negligible residual Fabry-Perot modulation depth

Packages:

- fiber coupled: DIL, Butterfly
- free space: TOW 1, 2

Additional & customized:

- PD - monitors
- FC/APC terminated pigtailed
- PM pigtailed (polarized or Lyot-depolarized output)

**Specifications
(Nominal Emitter Stabilization Temperature +25 °C)**

Parameter	Min	Typ	Max
Output power, mW, SM fiber pigtail, emitter @ +25 °C	1.0	1.5	-
Free space output power, mW, in a cone N.A.=0.71, emitter @ +25 °C*	3.5	5.0	-
Forward current**, mA	-	150	250
Forward voltage, V	-	2.0	2.5
Central wavelength, nm	910	935	950
Spectrum width, FWHM, nm	50	70	-
Residual spectral modulation depth, %	-	-	2.0
Secondary coherence subpeaks, dB (10 log)	-	-25	-20
Spectral Flatness***, dB	-	1.0	2.0
Slow / fast polarization ratio (PM "polarized" modules), dB****	5	10	-
Operation temperature range, °C*****	-55	-	+80
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

- * TOW packaged SLDs;
- ** current is specially adjusted to get highest output power with equal intensity of spectral lobes; different for different modules;
- *** Spectral Flatness parameter describes spectral intensity dropout between spectral lobes;
- **** Lyot depolarized versions are available upon request;
- ***** Butterfly packaged SLDs

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

SLD-47(a)-MP-(c)-(d)-(e)
 Where:
 a = 0 (free space) or 1 (fiber pigtailed)
 c = package type
 d = SM or PM (fiber coupled modules)
 e = PD (if PD monitor is required)

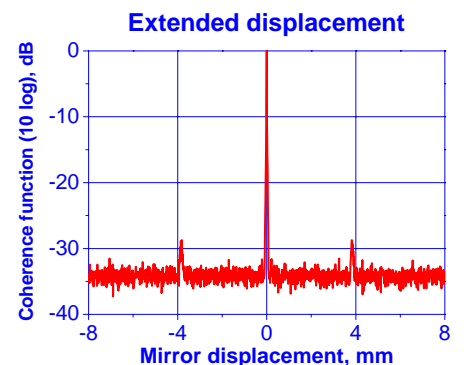
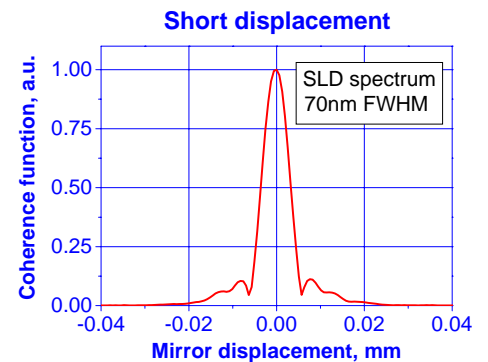
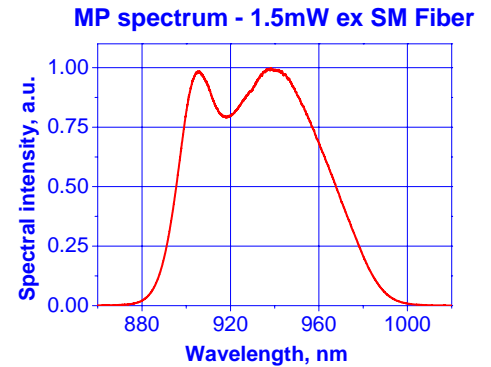
Example: SLD-471-MP-DIL-SM-PD

All specifications are subject to change without notice

Applications:

- fiberoptic sensors
- Bragg grating sensors
- optical coherence tomography
- optical measurements

PERFORMANCE EXAMPLES



Mirror displacement = Optical path difference / 2